

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110518\
 Data File : VN052146.D
 Acq On : 5 Nov 2018 14:02
 Operator : MD\SY
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 11/6/2018 9:59:54 AM

Quant Time: Nov 05 22:22:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 05 22:07:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	390493	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	658375	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	602829	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	272662	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	233362	50.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.80%	
35) Dibromofluoromethane	7.59	113	207416	50.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.48%	
50) Toluene-d8	10.09	98	804752	50.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.84%	
62) 4-Bromofluorobenzene	12.40	95	271042	52.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.50%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	172863	50.766	ug/l	100
3) Chloromethane	2.06	50	232420	50.570	ug/l	100
4) Vinyl Chloride	2.19	62	221680	50.360	ug/l	100
5) Bromomethane	2.57	94	154998	47.100	ug/l	100
6) Chloroethane	2.71	64	143345	50.930	ug/l	100
7) Trichlorofluoromethane	3.02	101	322116	50.376	ug/l	100
8) Diethyl Ether	3.41	74	111684	49.995	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	190424	49.836	ug/l	100
10) Methyl Iodide	3.96	142	274456	50.875	ug/l	100
11) Tert butyl alcohol	4.77	59	45123m	223.954	ug/l	
12) 1,1-Dichloroethene	3.74	96	181500	50.454	ug/l	100
13) Acrolein	3.61	56	49654	274.117	ug/l	100
14) Allyl chloride	4.33	41	315122	52.486	ug/l	100
15) Acrylonitrile	4.99	53	336071	253.547	ug/l	100
16) Acetone	3.82	43	247253	235.686	ug/l	100
17) Carbon Disulfide	4.06	76	516922	50.355	ug/l	100
18) Methyl Acetate	4.32	43	149309	45.989	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	510883	51.554	ug/l	100
20) Methylene Chloride	4.55	84	211790	48.587	ug/l	100
21) trans-1,2-Dichloroethene	5.05	96	202631	54.165	ug/l	100
22) Diisopropyl ether	5.95	45	678836	51.287	ug/l	100
23) Vinyl Acetate	5.90	43	2341864	268.997	ug/l	100
24) 1,1-Dichloroethane	5.86	63	373882	49.934	ug/l	100
25) 2-Butanone	6.84	43	390051	239.775	ug/l	100
26) 2,2-Dichloropropane	6.83	77	301027	51.402	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	231638	51.041	ug/l	100
28) Bromochloromethane	7.19	49	182900	51.597	ug/l	100
29) Tetrahydrofuran	7.21	42	261624	259.933	ug/l	100
30) Chloroform	7.37	83	381667	51.185	ug/l	100
31) Cyclohexane	7.65	56	357278	42.263	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	339403	51.315	ug/l	100
36) 1,1-Dichloropropene	7.80	75	300741	51.636	ug/l	100
37) Ethyl Acetate	6.93	43	181845	49.585	ug/l	100
38) Carbon Tetrachloride	7.78	117	300664	51.672	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	361715	52.440	ug/l	100
40) Benzene	8.04	78	879375	51.361	ug/l	100
41) Methacrylonitrile	7.18	41	99049	52.544	ug/l	100
42) 1,2-Dichloroethane	8.13	62	278011	50.511	ug/l	100
43) Isopropyl Acetate	8.16	43	338504	50.938	ug/l	100
44) Trichloroethene	8.84	130	231814	51.140	ug/l	100
45) 1,2-Dichloropropane	9.12	63	232928	51.370	ug/l	100
46) Dibromomethane	9.21	93	144313	50.045	ug/l	100
47) Bromodichloromethane	9.40	83	291022	51.748	ug/l	100
48) Methyl methacrylate	9.20	41	165505	51.746	ug/l	100
49) 1,4-Dioxane	9.20	88	26530	1027.716	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	904189	257.545	ug/l	100
52) Toluene	10.16	92	550764	53.345	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	295931	53.639	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	343509	53.209	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	190522	52.339	ug/l	100
56) Ethyl methacrylate	10.43	69	248223	52.315	ug/l	100
57) 1,3-Dichloropropane	10.71	76	328771	51.268	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	690570	270.441	ug/l	100
59) 2-Hexanone	10.75	43	628235	257.057	ug/l	100
60) Dibromochloromethane	10.90	129	222904	53.847	ug/l	100
61) 1,2-Dibromoethane	11.01	107	195621	52.940	ug/l	100
64) Tetrachloroethene	10.63	164	201804	51.672	ug/l	100
65) Chlorobenzene	11.43	112	616668	50.188	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	218050	52.843	ug/l	100
67) Ethyl Benzene	11.51	91	1059425	51.912	ug/l	100
68) m/p-Xylenes	11.62	106	823392	104.563	ug/l	100
69) o-Xylene	11.95	106	396570	51.929	ug/l	100
70) Styrene	11.96	104	636824	52.677	ug/l	100
71) Bromoform	12.13	173	130496	54.610	ug/l #	100
73) Isopropylbenzene	12.25	105	1053756	51.114	ug/l	100
74) N-amyl acetate	12.07	43	312667	47.906	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	227245	50.358	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	214551m	58.946	ug/l	
77) Bromobenzene	12.53	156	253603	51.586	ug/l	100
78) n-propylbenzene	12.59	91	1198330	50.861	ug/l	100
79) 2-Chlorotoluene	12.67	91	682287	49.383	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	846043	50.699	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	63132	52.681	ug/l	100
82) 4-Chlorotoluene	12.77	91	698610	50.308	ug/l	100
83) tert-Butylbenzene	12.99	119	738022	50.086	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	850403	51.194	ug/l	100
85) sec-Butylbenzene	13.17	105	1000286	50.204	ug/l	100
86) p-Isopropyltoluene	13.29	119	867415	51.723	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	440579	50.713	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	440207	50.695	ug/l	100
89) n-Butylbenzene	13.62	91	734673	50.593	ug/l	100
90) Hexachloroethane	13.87	117	148066	52.388	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	418734	51.359	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	29593	49.679	ug/l	100

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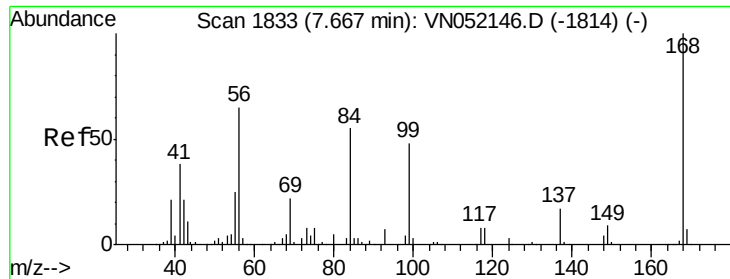
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	181568	47.915	ug/l	100
94) Hexachlorobutadiene	15.01	225	94984	43.117	ug/l	100
95) Naphthalene	15.13	128	415338	49.744	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	156954	46.743	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052146.D

Acq: 5 Nov 2018 14:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 390493

Ion Ratio Lower Upper

168 100

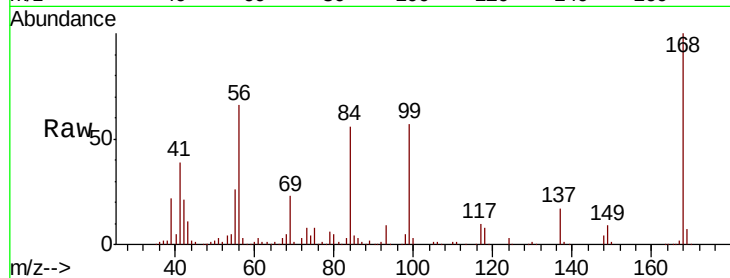
99 56.8 45.4 68.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

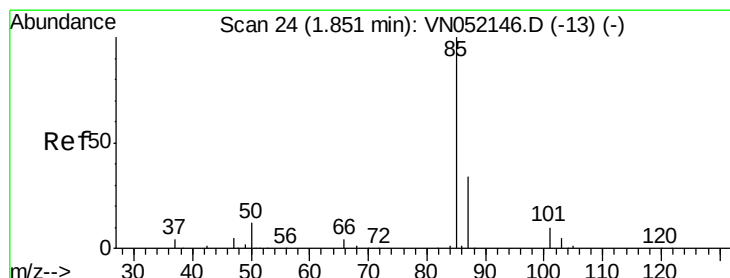
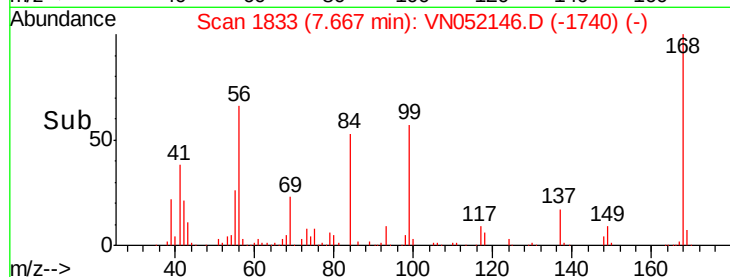
150000

100000

50000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#2

Dichlorodifluoromethane

Concen: 50.766 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052146.D

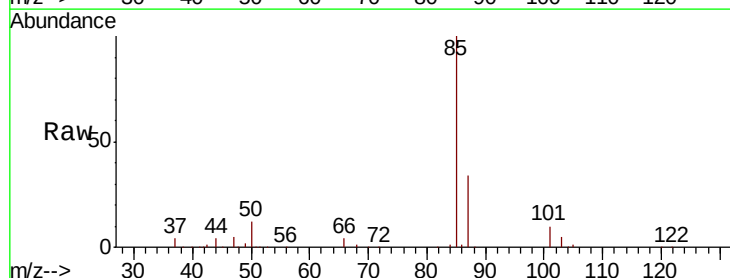
Acq: 5 Nov 2018 14:02

Tgt Ion: 85 Resp: 172863

Ion Ratio Lower Upper

85 100

87 34.0 17.0 51.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

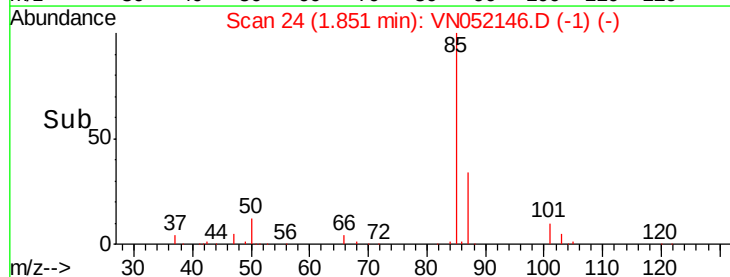
1.85

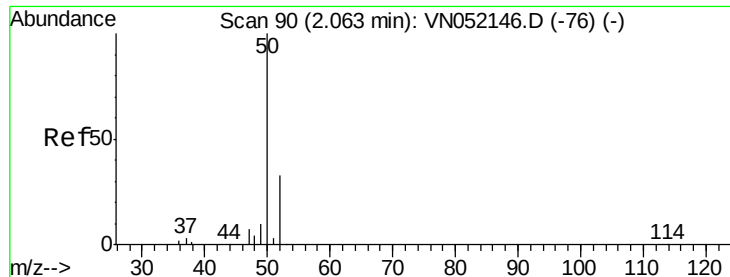
100000

50000

0

Time--> 1.80 1.90





#3

Chloromethane

Concen: 50.570 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052146.D

Acq: 5 Nov 2018 14:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 232420

Ion Ratio Lower Upper

50 100

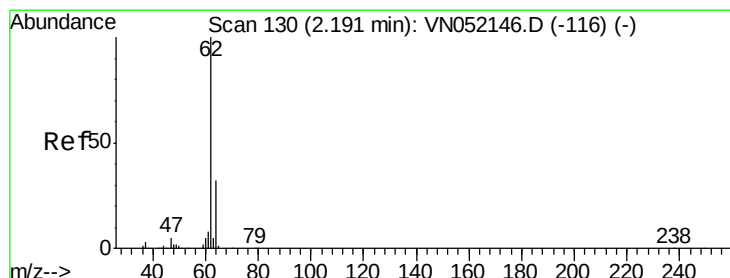
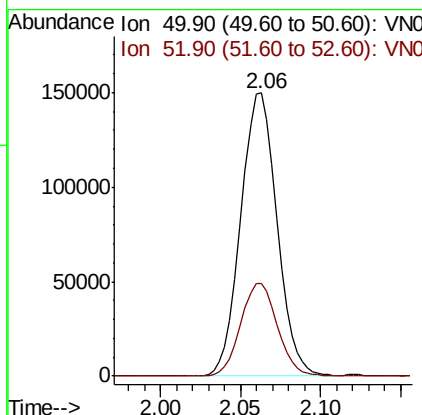
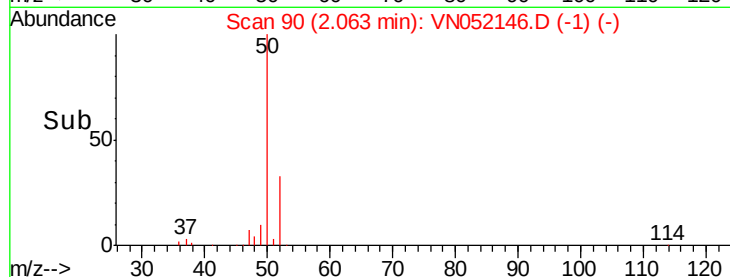
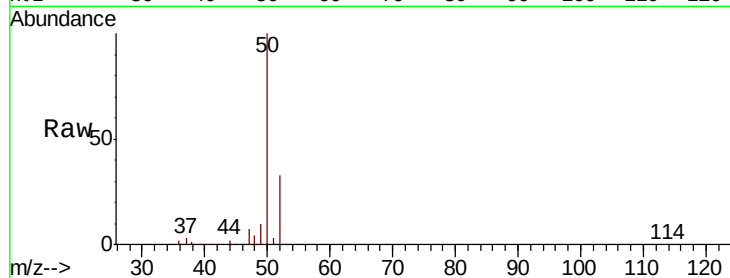
52 32.8 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.360 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052146.D

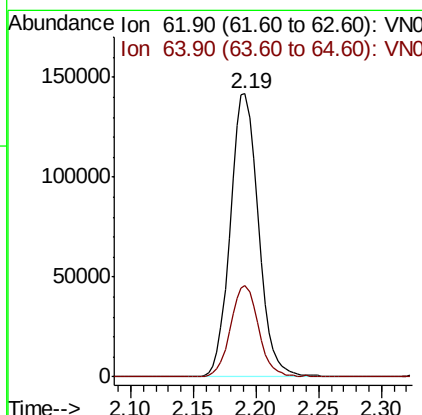
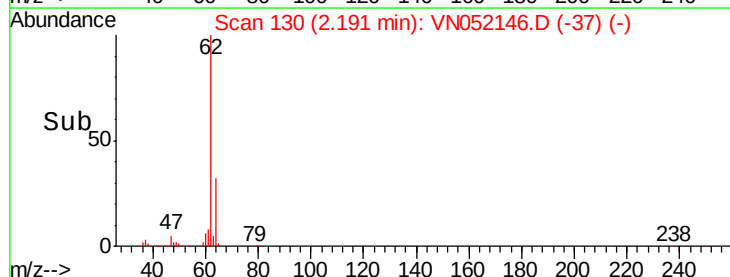
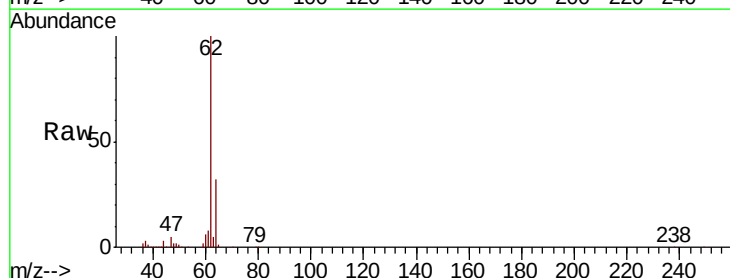
Acq: 5 Nov 2018 14:02

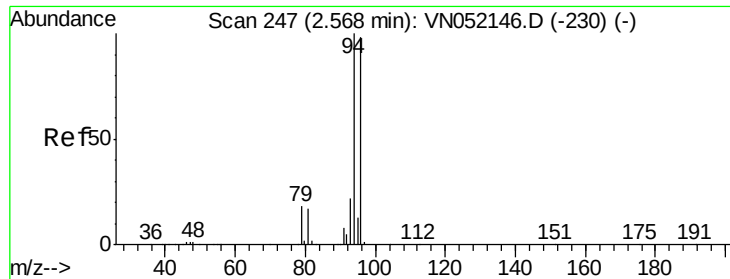
Tgt Ion: 62 Resp: 221680

Ion Ratio Lower Upper

62 100

64 32.2 25.8 38.6





#5

Bromomethane

Concen: 47.100 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN052146.D

Acq: 5 Nov 2018 14:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 154998

Ion Ratio Lower Upper

94 100

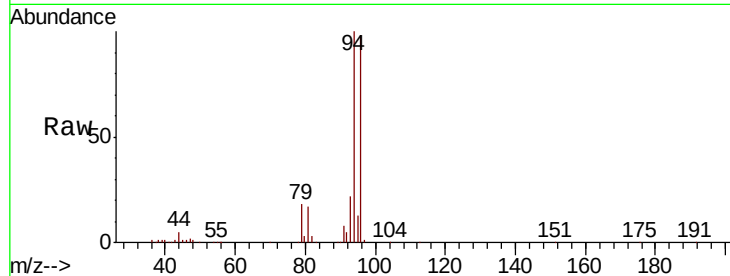
96 97.9 78.3 117.5

Manual Integrations

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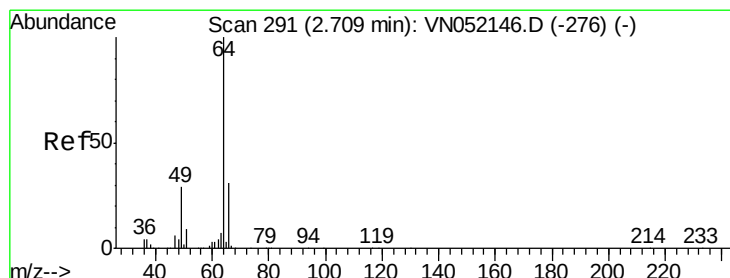
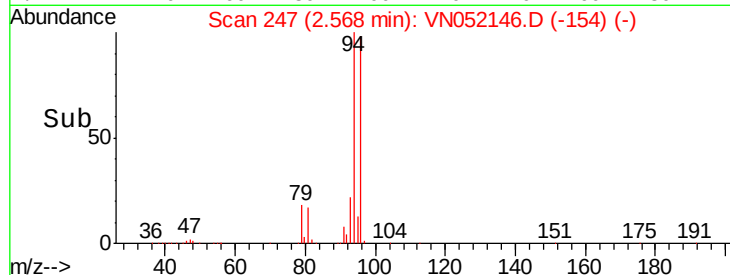
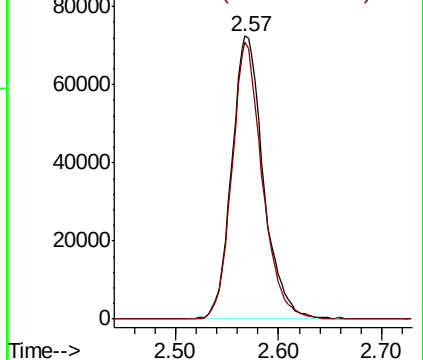
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 50.930 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052146.D

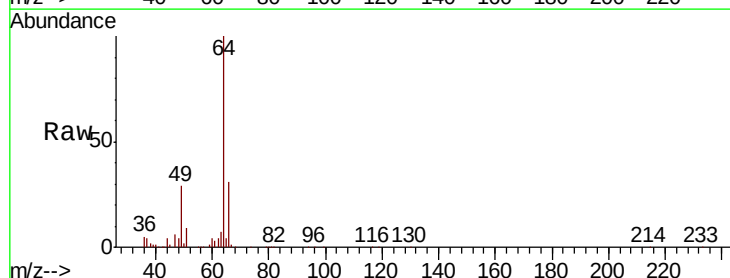
Acq: 5 Nov 2018 14:02

Tgt Ion: 64 Resp: 143345

Ion Ratio Lower Upper

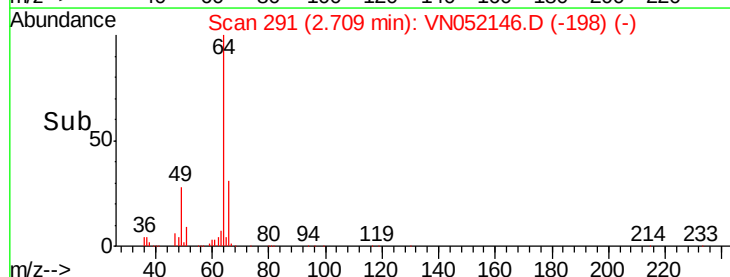
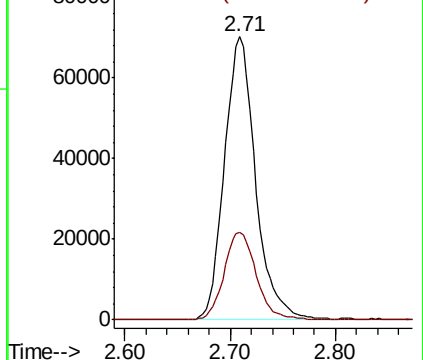
64 100

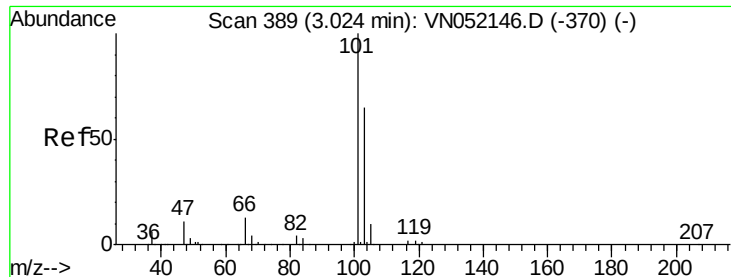
66 30.9 24.7 37.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

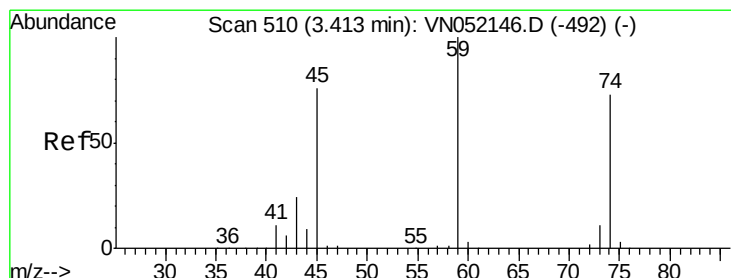
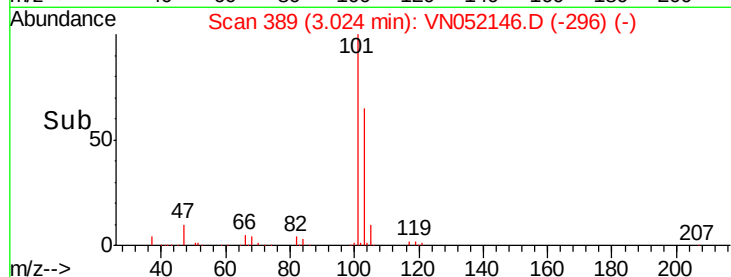
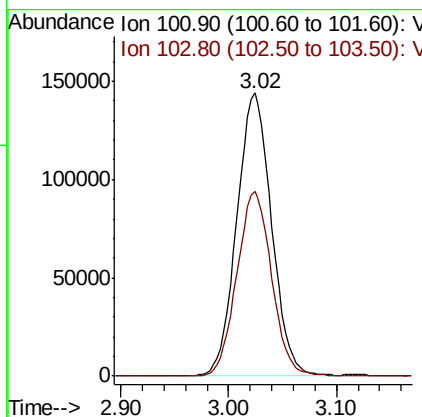
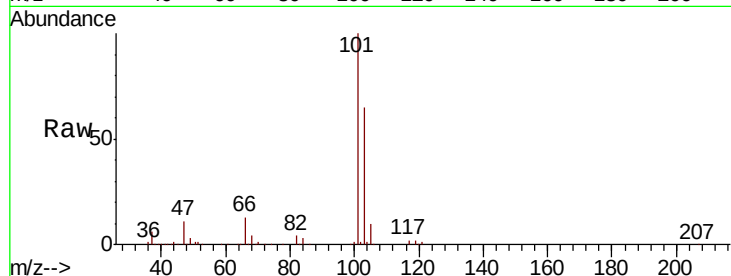
Trichlorofluoromethane
Concen: 50.376 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN052146.D
Acq: 5 Nov 2018 14:02

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	52.2	78.4

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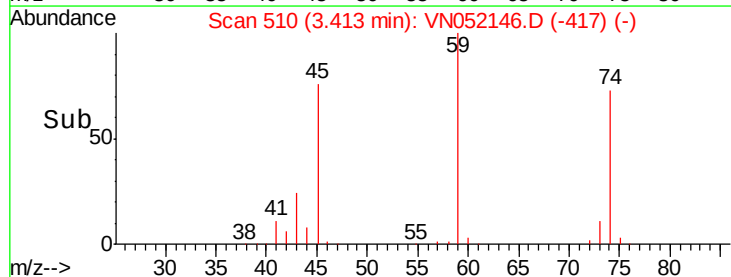
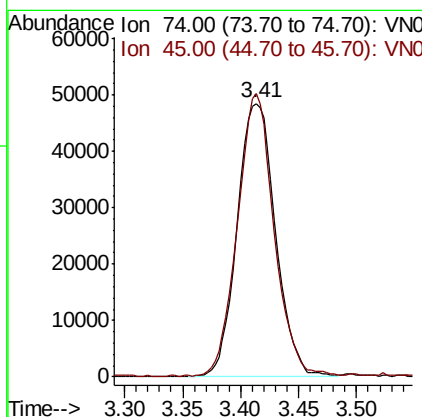
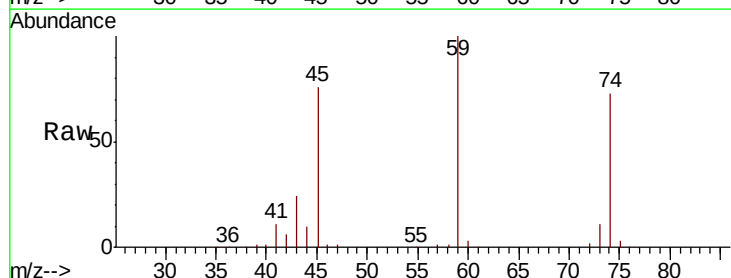
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11/6/2018 9:59:54 AM

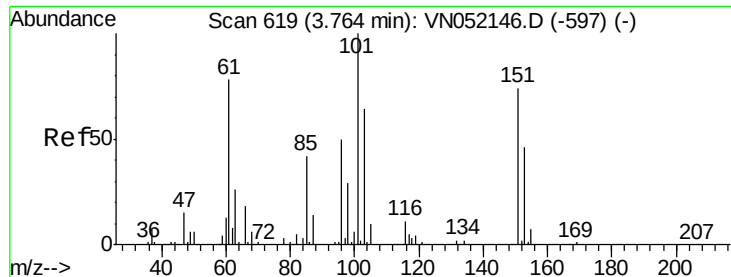


#8

Diethyl Ether
Concen: 49.995 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN052146.D
Acq: 5 Nov 2018 14:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.2	49.1	147.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.836 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052146.D

Acq: 5 Nov 2018 14:02

Instrument :

MSVOA_N

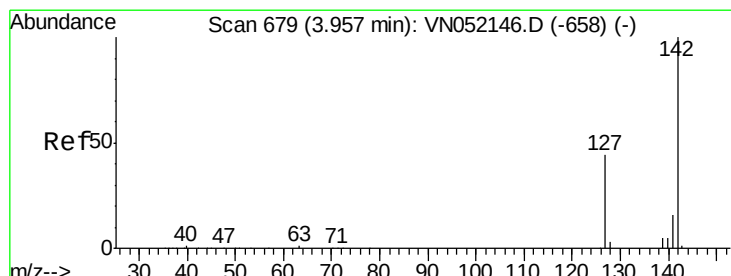
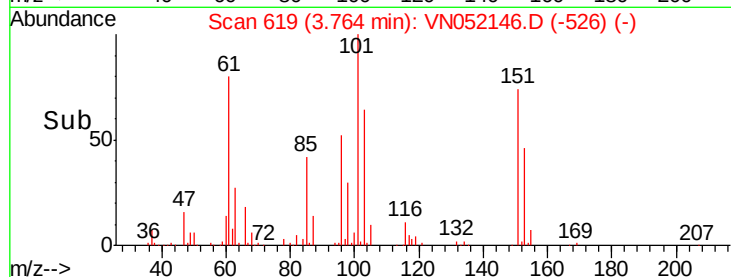
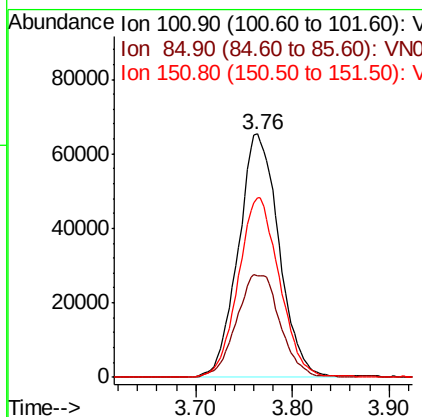
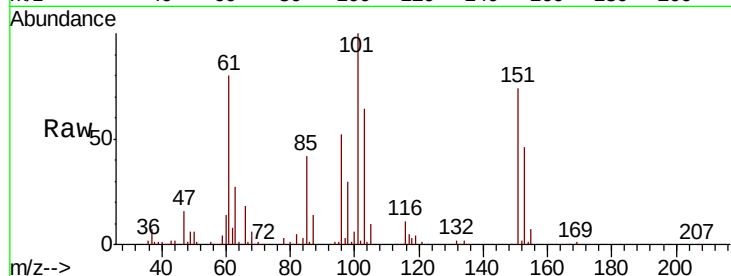
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	190424
Ion Ratio	Lower	Upper	
101	100		
85	45.1	36.1	54.1
151	74.6	59.7	89.5

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#10

Methyl Iodide

Concen: 50.875 ug/l

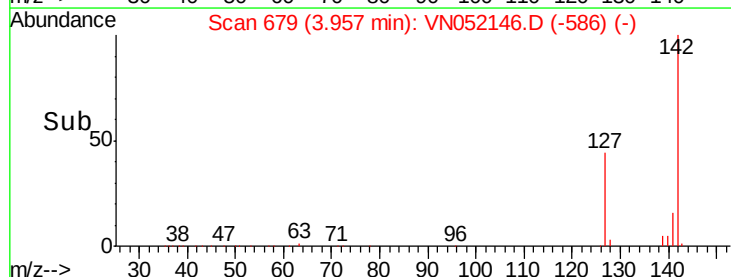
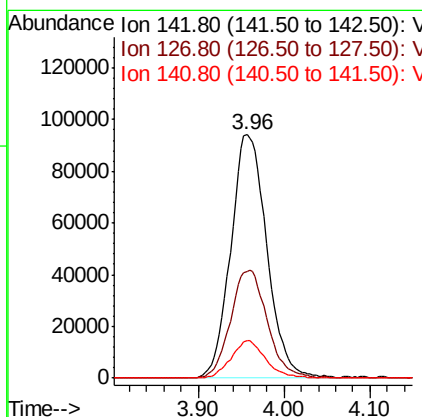
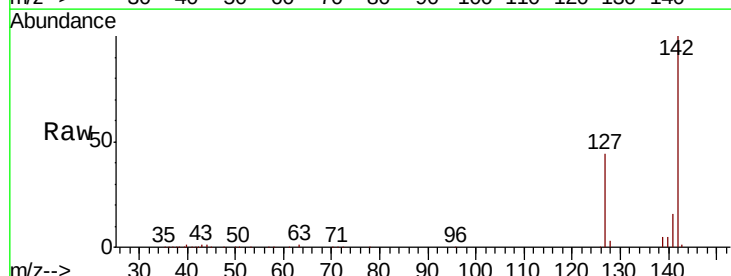
RT: 3.96 min Scan# 679

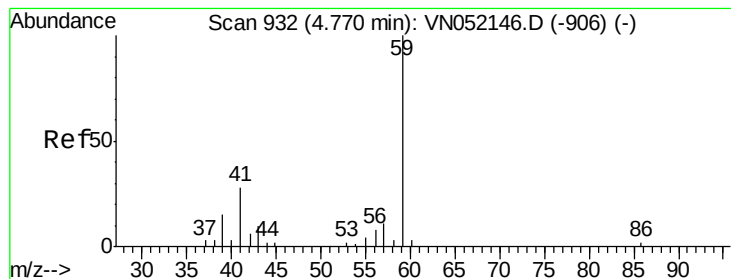
Delta R.T. 0.00 min

Lab File: VN052146.D

Acq: 5 Nov 2018 14:02

Tgt Ion:	142	Resp:	274456
Ion Ratio	Lower	Upper	
142	100		
127	45.0	36.0	54.0
141	14.7	11.8	17.6





#11

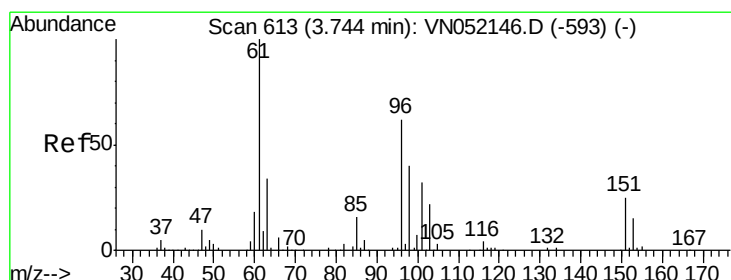
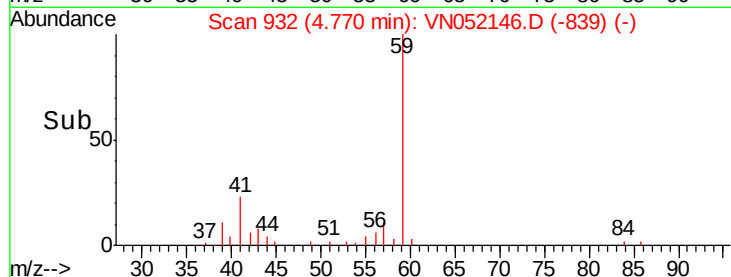
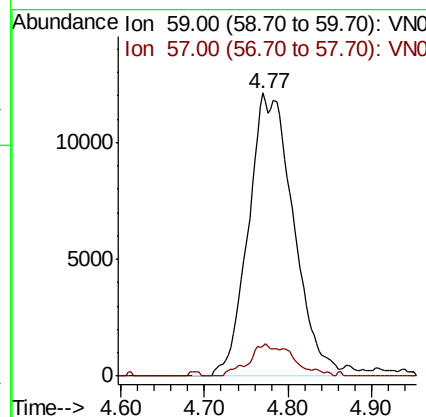
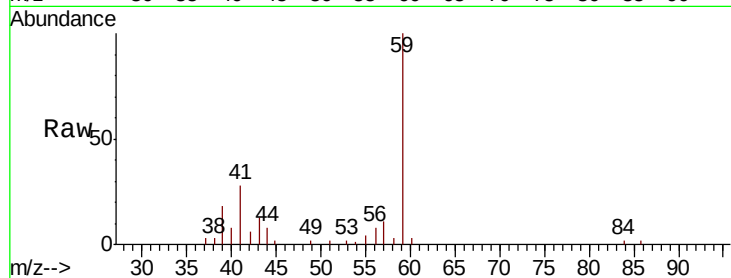
Tert butyl alcohol
 Concen: 223.954 ug/l m
 RT: 4.77 min Scan# 932
 Delta R.T. 0.00 min
 Lab File: VN052146.D
 Acq: 5 Nov 2018 14:02

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.2	5.7	8.5

Manual Integrations
 APPROVED

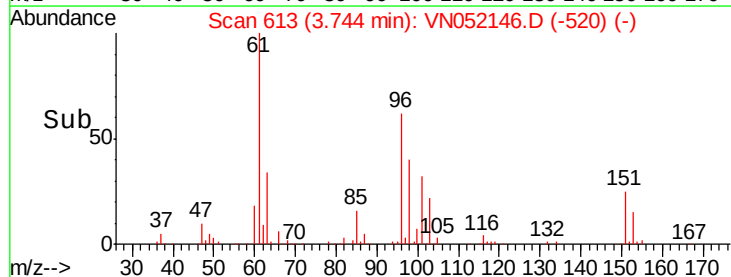
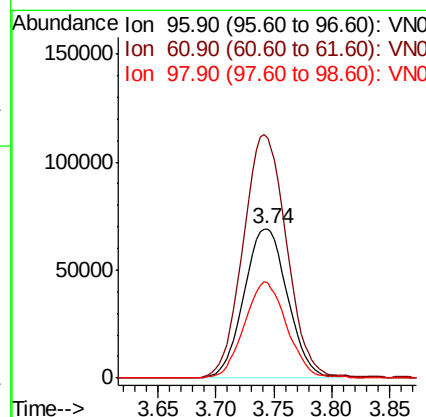
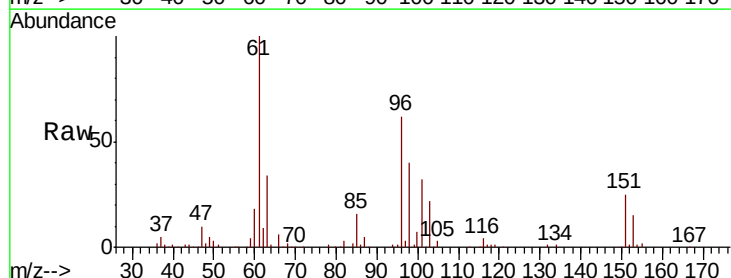
MMDadoda
 11/6/2018 9:59:54 AM

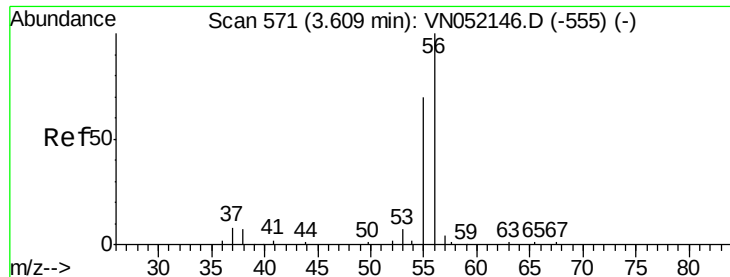


#12

1,1-Dichloroethene
 Concen: 50.454 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN052146.D
 Acq: 5 Nov 2018 14:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.5	128.4	192.6
98	63.6	50.9	76.3





#13

Acrolein

Concen: 274.117 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052146.D

Acq: 5 Nov 2018 14:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 49654

Ion Ratio Lower Upper

56 100

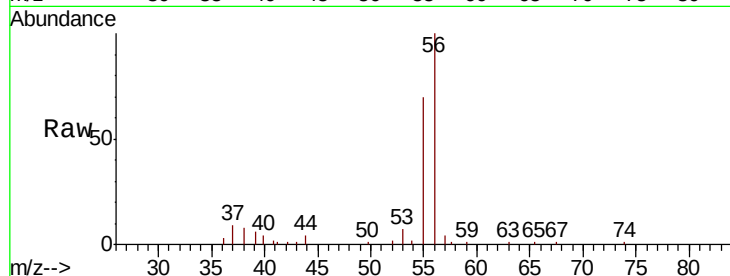
55 70.7 56.6 84.8

Manual Integrations

APPROVED

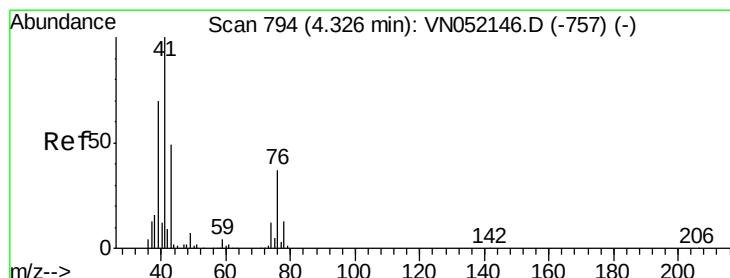
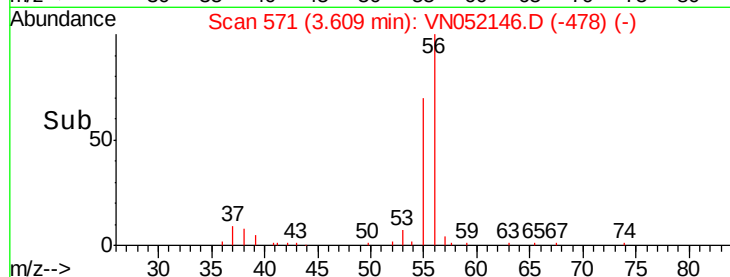
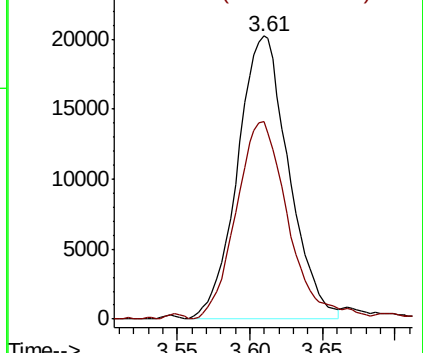
MMDadoda

11/6/2018 9:59:54 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 52.486 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052146.D

Acq: 5 Nov 2018 14:02

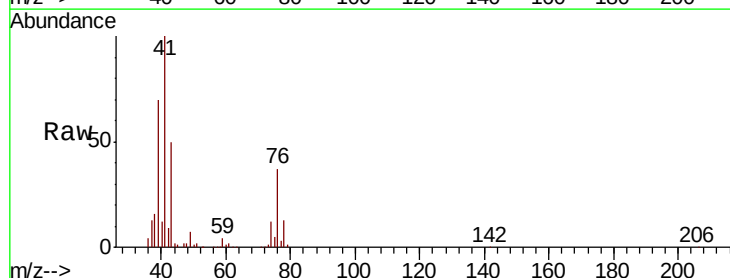
Tgt Ion: 41 Resp: 315122

Ion Ratio Lower Upper

41 100

39 69.1 55.3 82.9

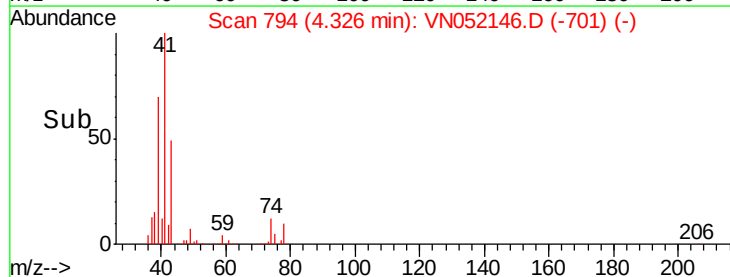
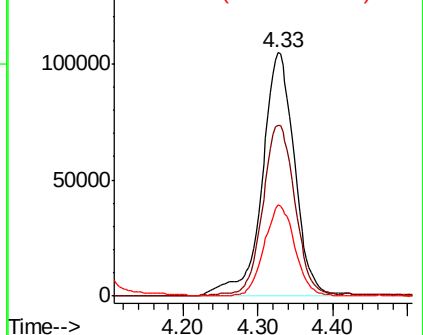
76 34.8 27.8 41.8

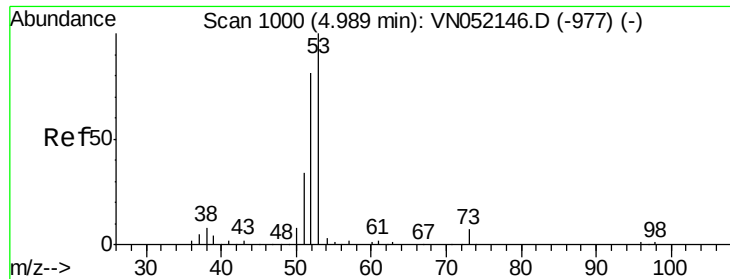


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





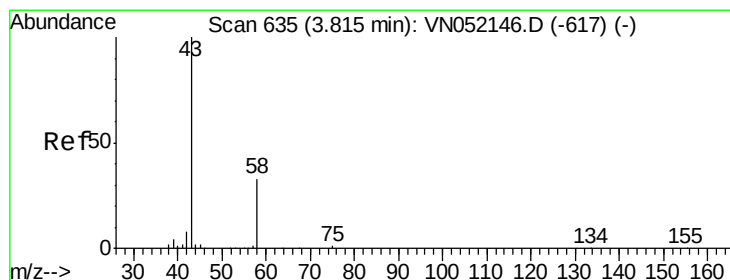
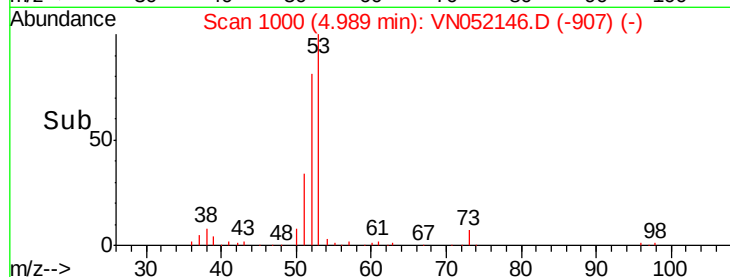
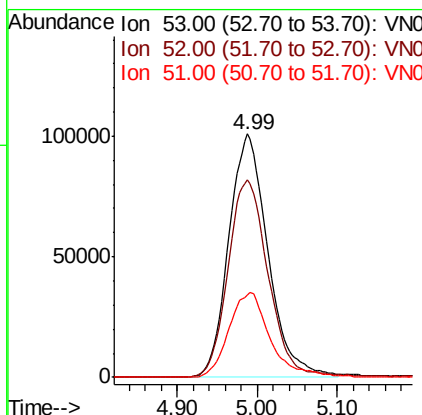
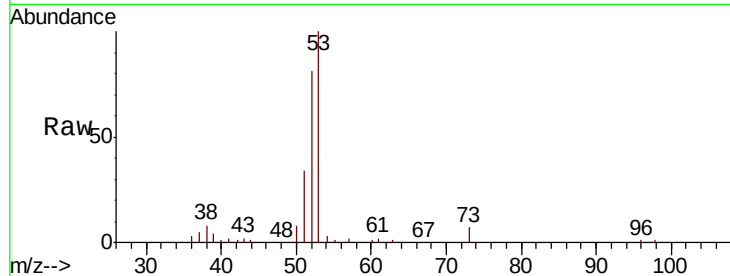
#15
 Acrylonitrile
 Concen: 253.547 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN052146.D
 Acq: 5 Nov 2018 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.5	99.7
51	36.5	29.2	43.8

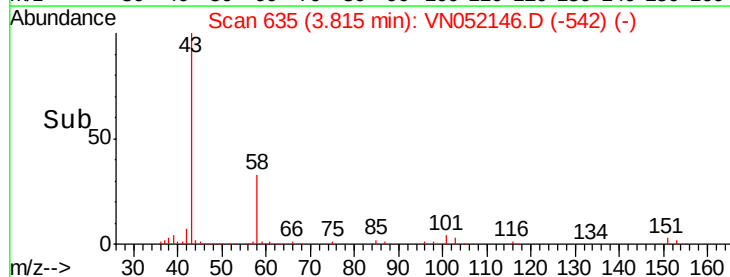
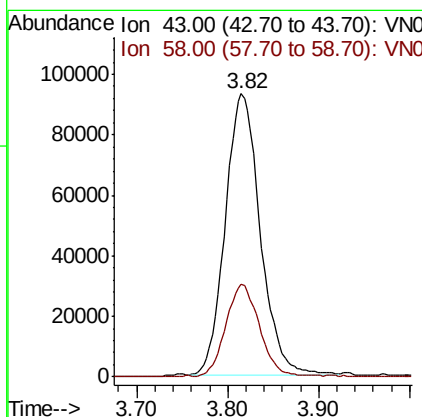
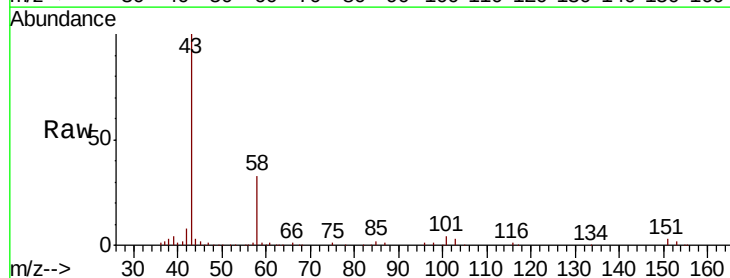
Manual Integrations
 APPROVED

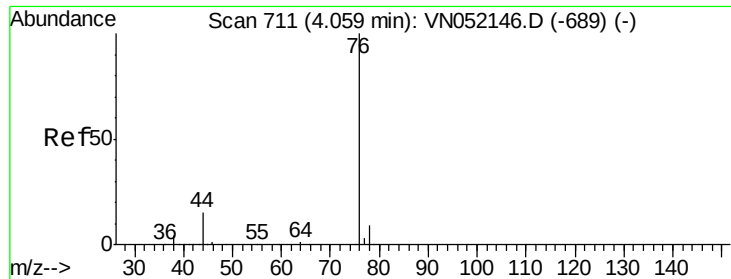
MMDadoda
 11/6/2018 9:59:54 AM



#16
 Acetone
 Concen: 235.686 ug/l
 RT: 3.82 min Scan# 635
 Delta R.T. 0.00 min
 Lab File: VN052146.D
 Acq: 5 Nov 2018 14:02

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.7	26.2	39.2





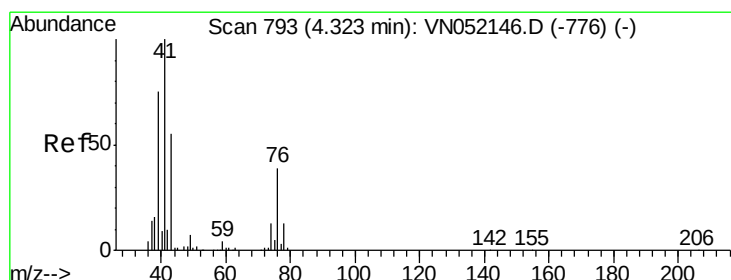
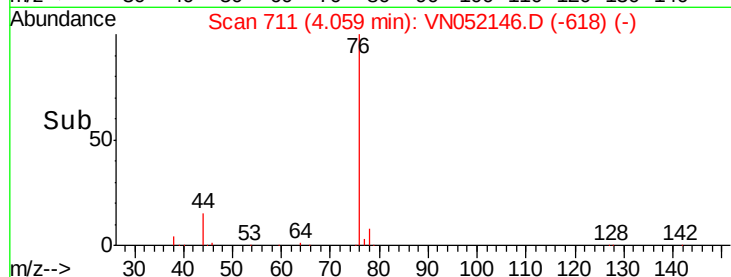
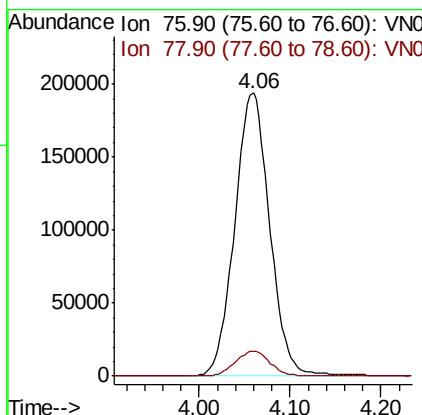
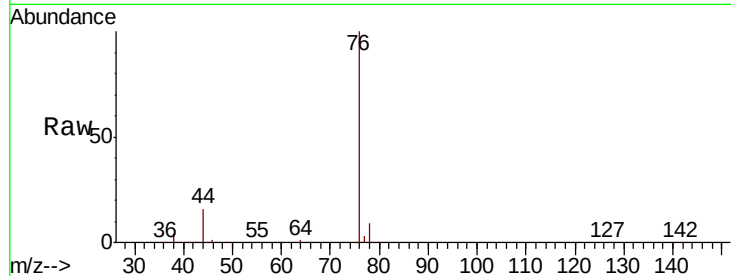
#17
Carbon Disulfide
Concen: 50.355 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN052146.D
Acq: 5 Nov 2018 14:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.6

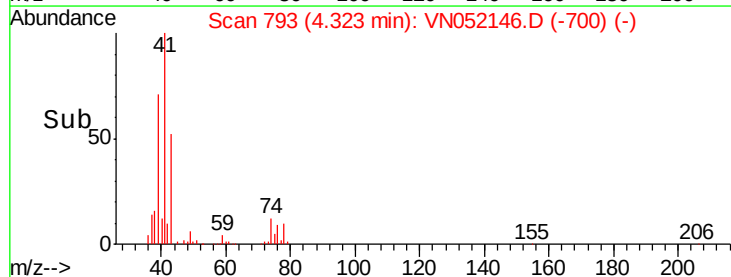
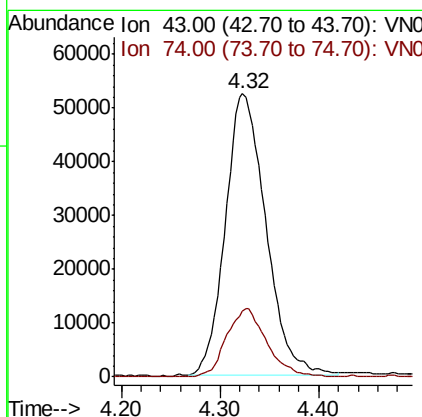
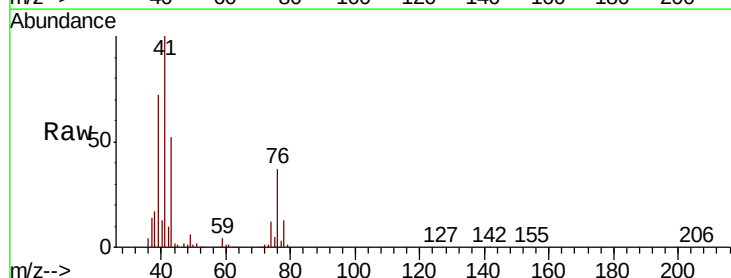
Manual Integrations
APPROVED

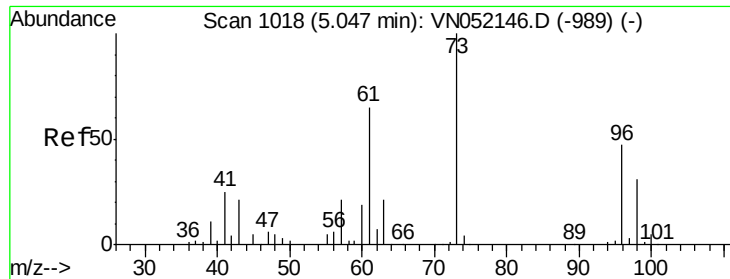
MMDadoda
11/6/2018 9:59:54 AM



#18
Methyl Acetate
Concen: 45.989 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN052146.D
Acq: 5 Nov 2018 14:02

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	19.3	28.9





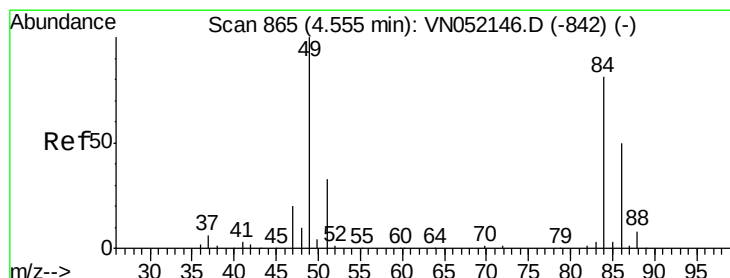
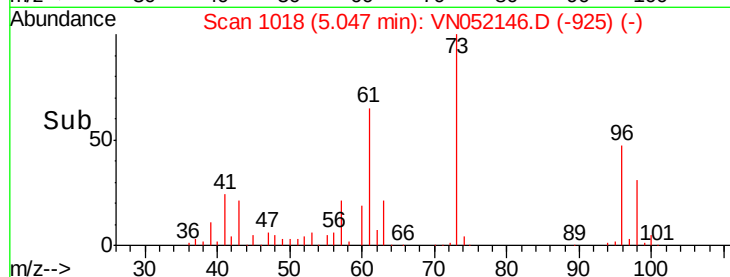
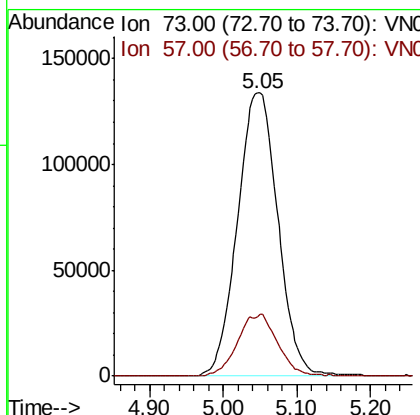
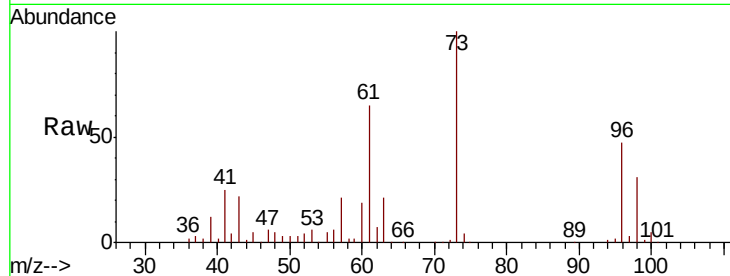
#19
Methyl tert-butyl Ether
Concen: 51.554 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052146.D
Acq: 5 Nov 2018 14:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 510883
Ion Ratio Lower Upper
73 100
57 21.0 16.8 25.2

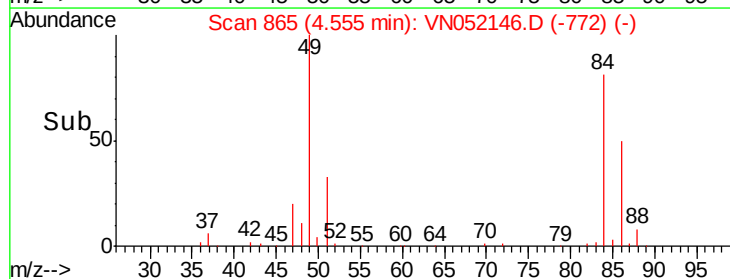
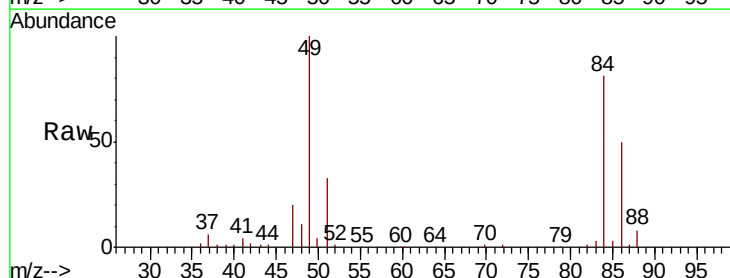
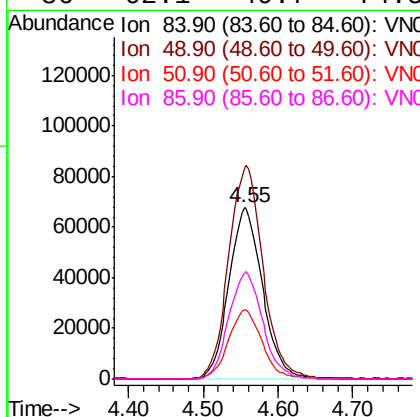
Manual Integrations
APPROVED

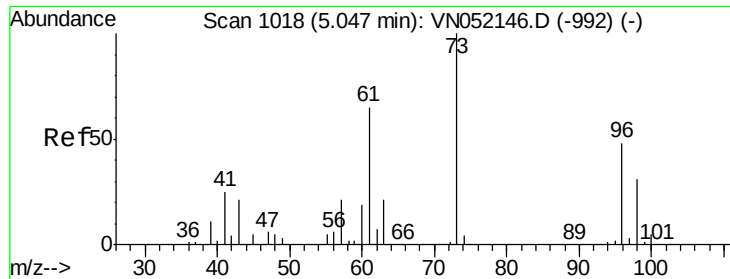
MMDadoda
11/6/2018 9:59:54 AM



#20
Methylene Chloride
Concen: 48.587 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052146.D
Acq: 5 Nov 2018 14:02

Tgt Ion: 84 Resp: 211790
Ion Ratio Lower Upper
84 100
49 123.0 98.4 147.6
51 40.6 32.5 48.7
86 62.1 49.7 74.5





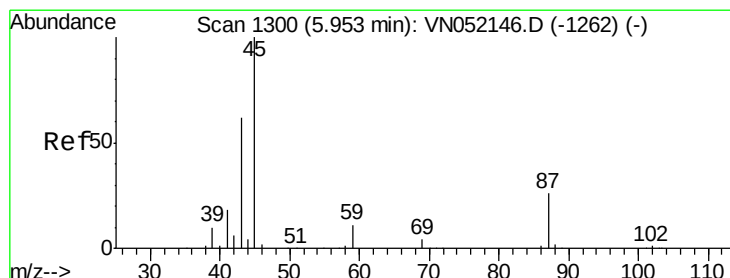
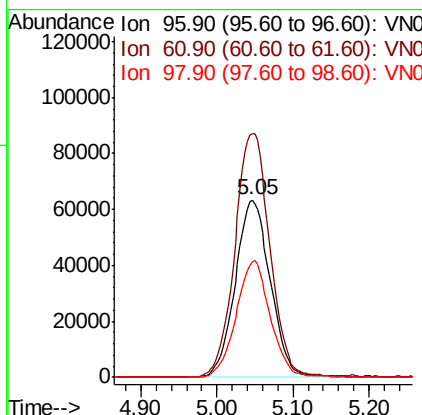
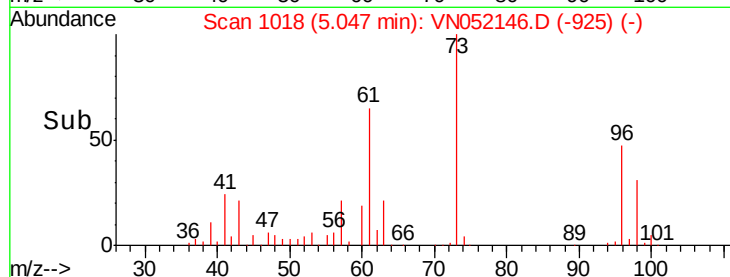
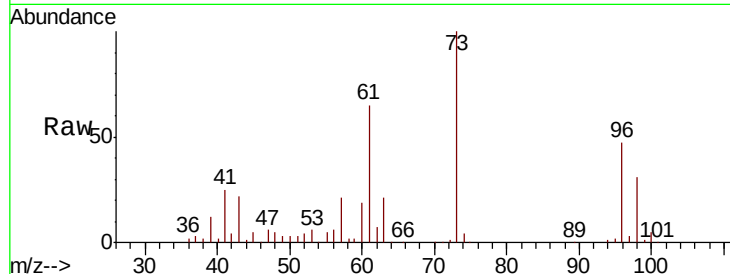
#21
trans-1,2-Dichloroethene
Concen: 54.165 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052146.D
Acq: 5 Nov 2018 14:02

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.0	109.6	164.4
98	65.0	52.0	78.0

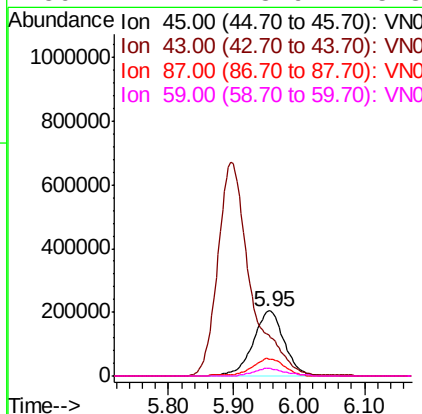
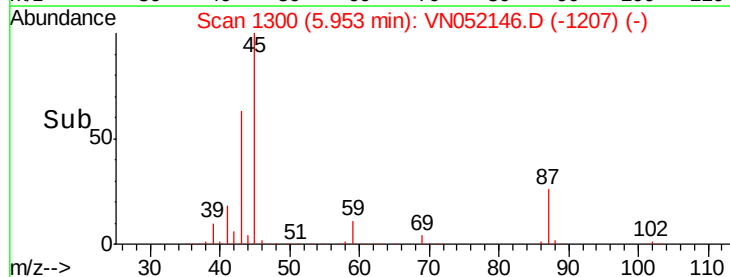
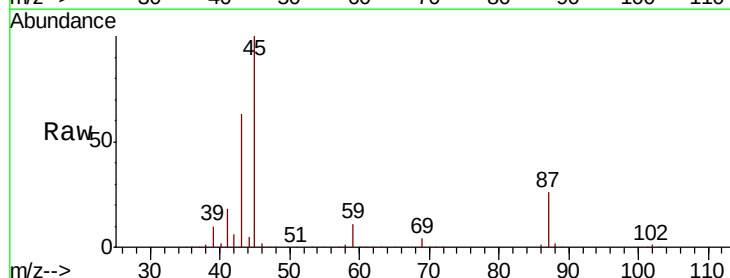
Manual Integrations
APPROVED

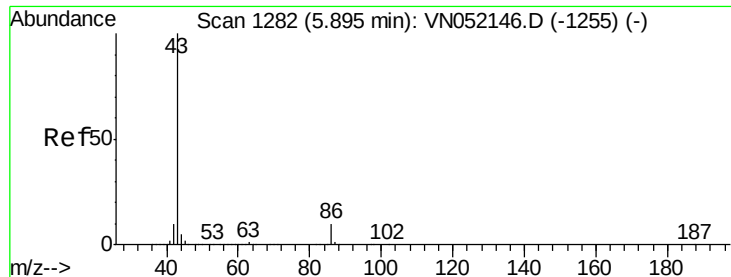
MMDadoda
11/6/2018 9:59:54 AM



#22
Diisopropyl ether
Concen: 51.287 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052146.D
Acq: 5 Nov 2018 14:02

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.2	49.8	74.6
87	26.4	21.1	31.7
59	11.1	8.9	13.3





#23

Vinyl Acetate

Concen: 268.997 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052146.D

Acq: 5 Nov 2018 14:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 2341864

Ion Ratio Lower Upper

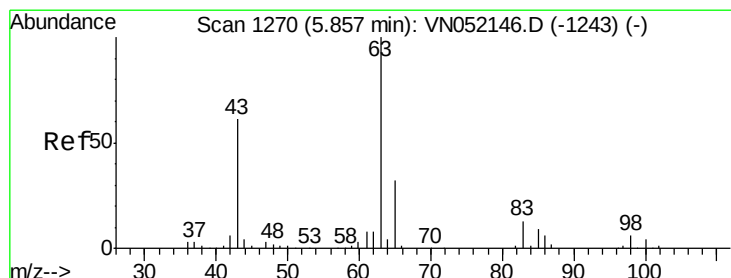
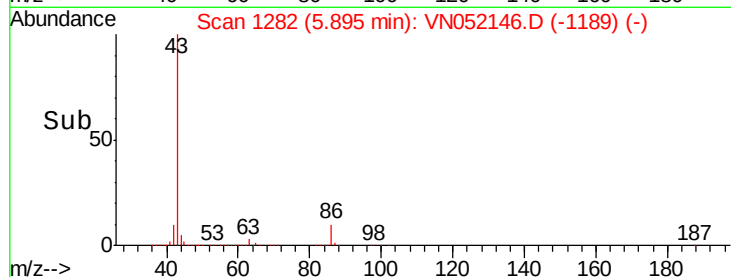
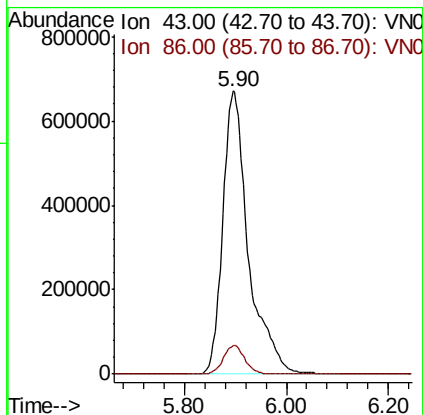
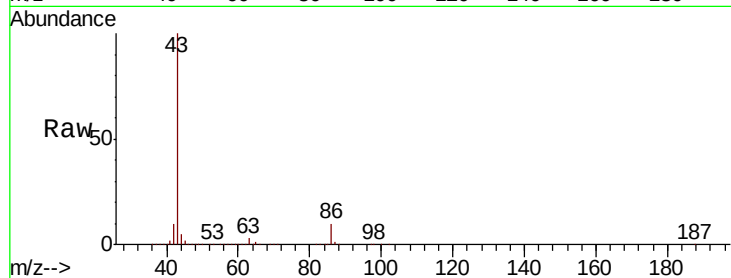
43 100

86 9.9 7.9 11.9

Manual Integrations
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11/6/2018 9:59:54 AM



#24

1,1-Dichloroethane

Concen: 49.934 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VN052146.D

Acq: 5 Nov 2018 14:02

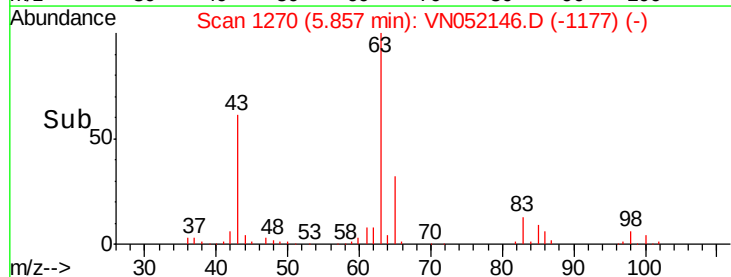
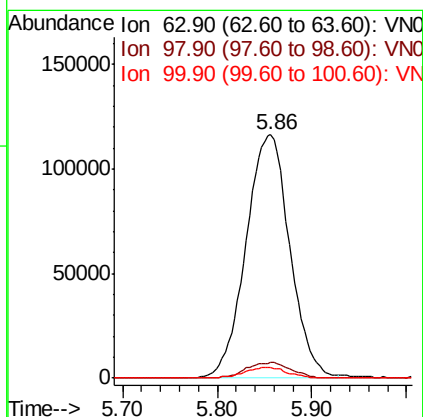
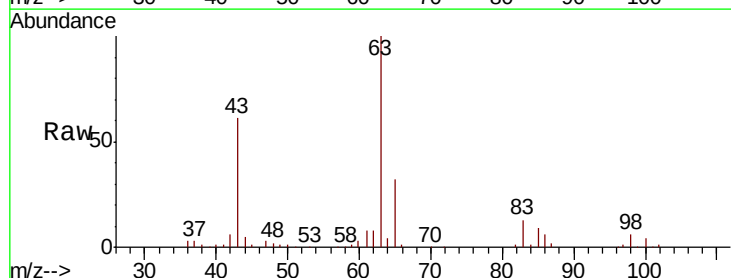
Tgt Ion: 63 Resp: 373882

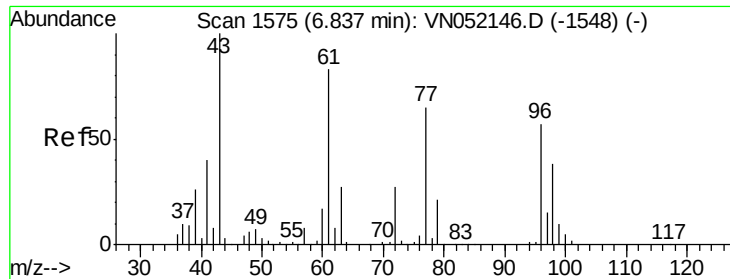
Ion Ratio Lower Upper

63 100

98 6.3 3.1 9.4

100 4.1 2.1 6.2





#25

2-Butanone

Concen: 239.775 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN052146.D

Acq: 5 Nov 2018 14:02

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 43 Resp: 390051

Ion Ratio Lower Upper

43 100

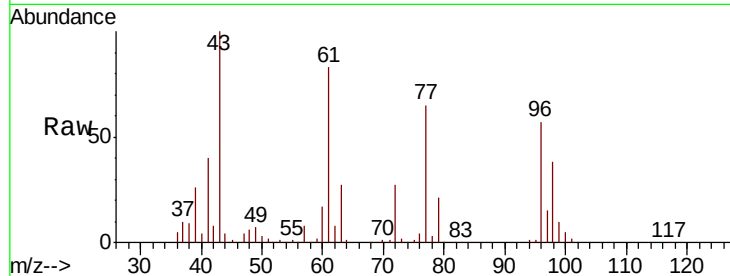
72 26.8 21.4 32.2

Manual Integrations

APPROVED

MMDadoda

11/6/2018 9:59:54 AM



Abundance Ion 43.00 (42.70 to 43.70): VN052146.D (-1548) (-)

Ion 72.00 (71.70 to 72.70): VN052146.D (-1548) (-)

150000

100000

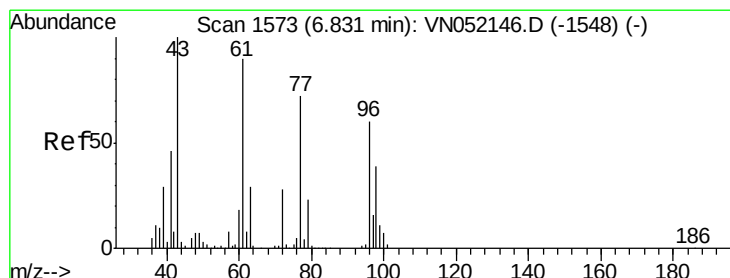
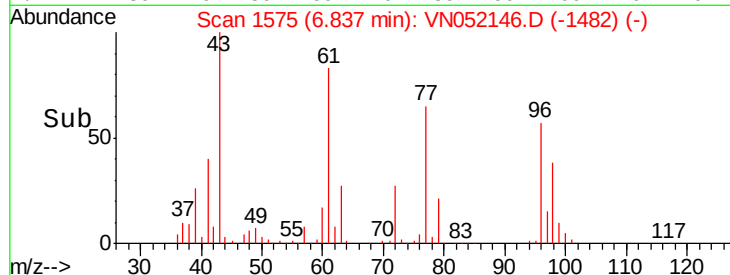
50000

0

6.70 6.80 6.90

6.84

Time-->



#26

2,2-Dichloropropane

Concen: 51.402 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052146.D

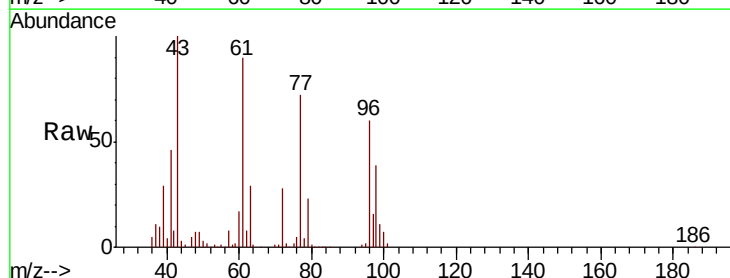
Acq: 5 Nov 2018 14:02

Tgt Ion: 77 Resp: 301027

Ion Ratio Lower Upper

77 100

97 22.7 11.4 34.1



Abundance Ion 76.90 (76.60 to 77.60): VN052146.D (-1548) (-)

Ion 96.90 (96.60 to 97.60): VN052146.D (-1548) (-)

100000

80000

60000

40000

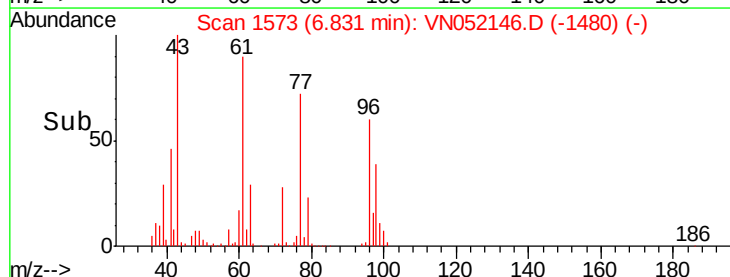
20000

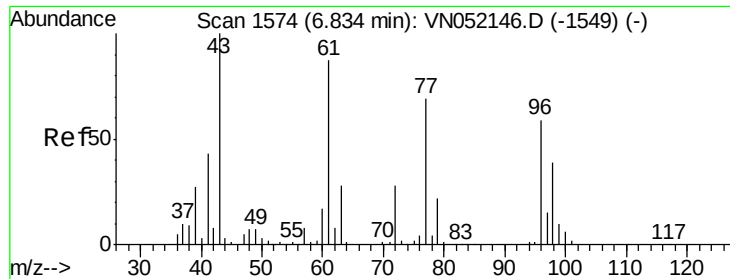
0

6.70 6.80 6.90 7.00

6.83

Time-->





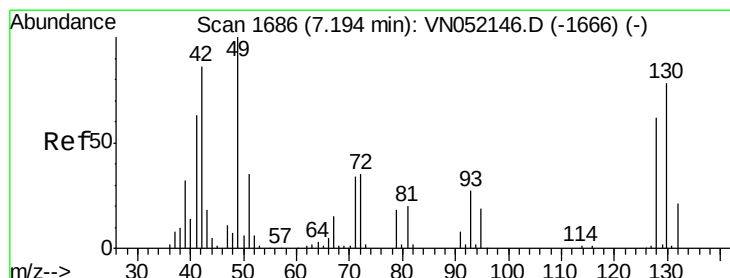
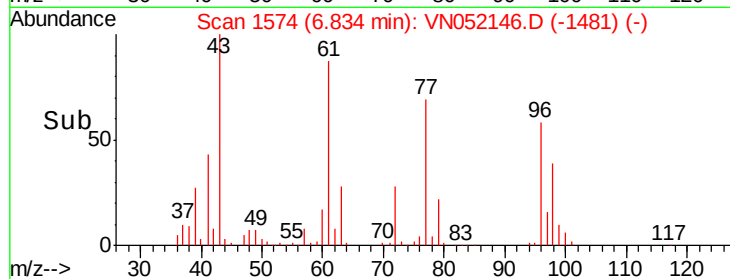
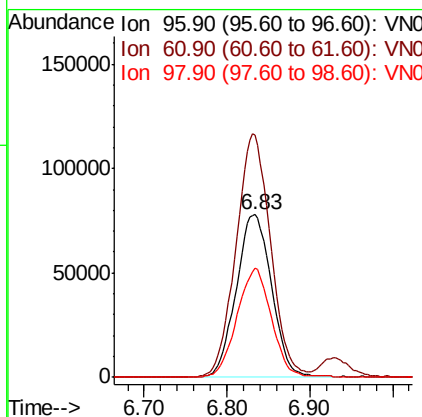
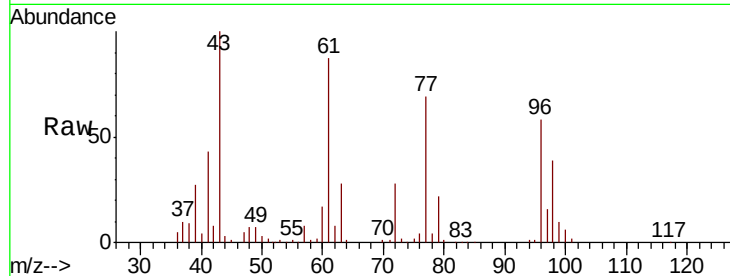
#27
 cis-1,2-Dichloroethene
 Concen: 51.041 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN052146.D
 Acq: 5 Nov 2018 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	231638		
61	145.9	0.0	291.8	
98	65.0	0.0	130.0	

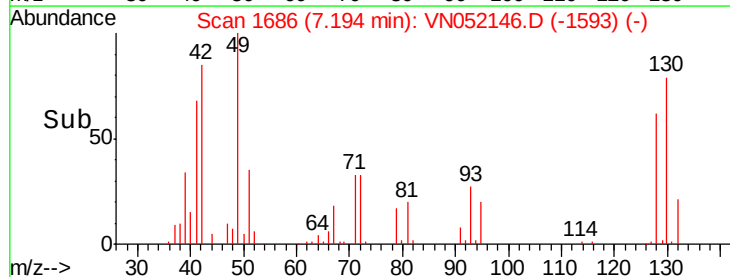
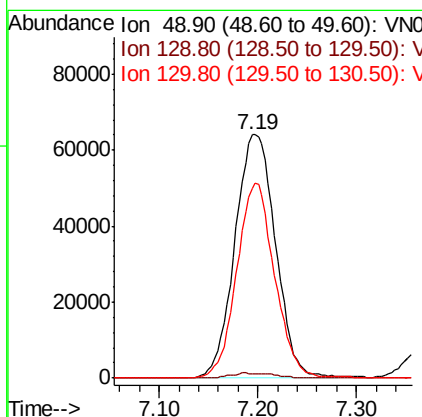
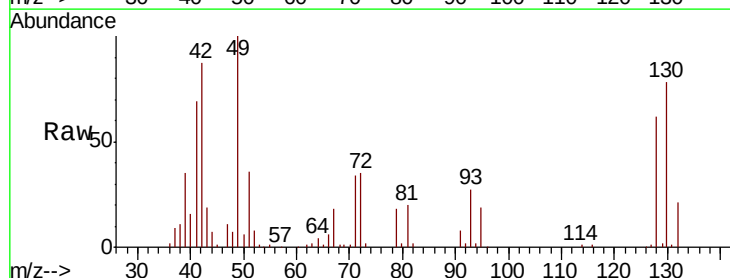
Manual Integrations
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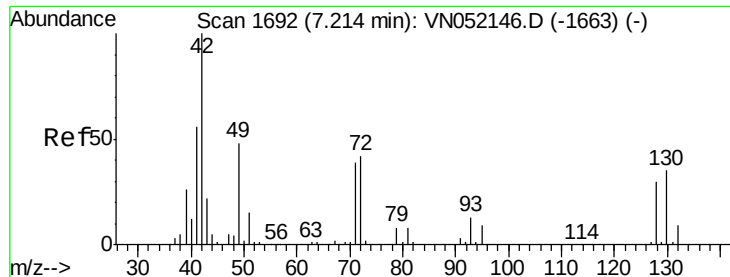
MMDadoda
 11/6/2018 9:59:54 AM



#28
 Bromochloromethane
 Concen: 51.597 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN052146.D
 Acq: 5 Nov 2018 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	182900		
129	2.2	0.0	4.4	
130	74.7	59.8	89.6	





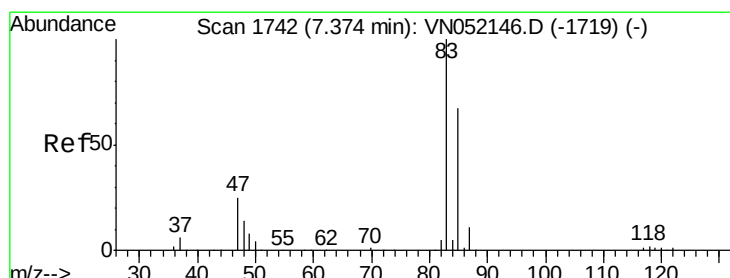
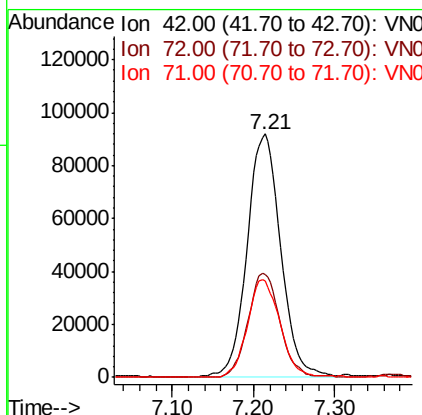
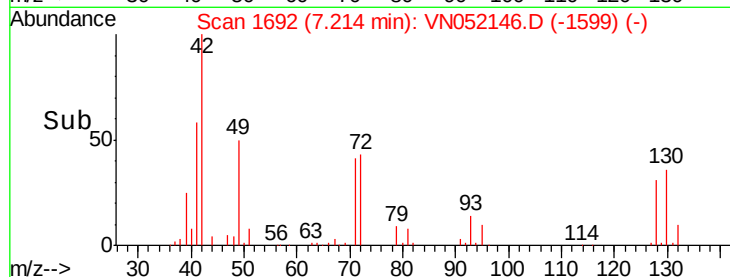
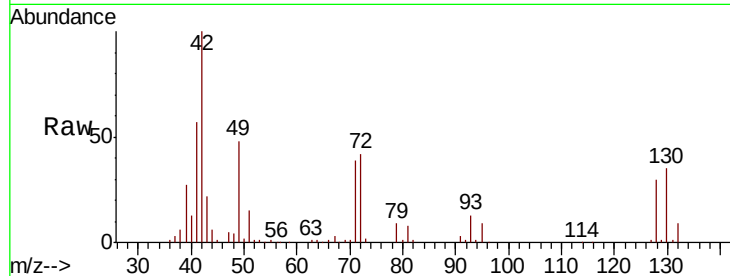
#29
Tetrahydrofuran
Concen: 259.933 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052146.D
Acq: 5 Nov 2018 14:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.4	32.3	48.5
71	38.8	31.0	46.6

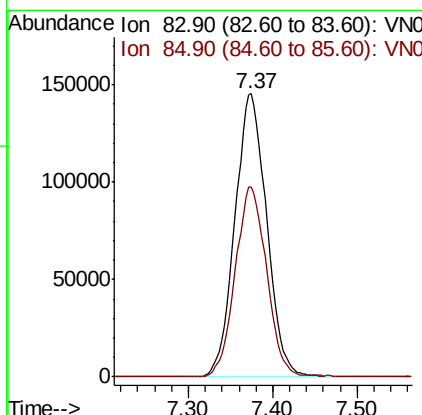
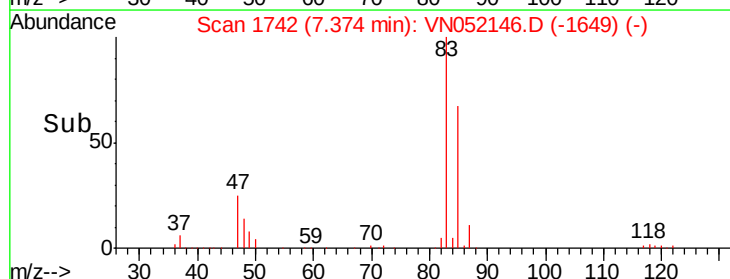
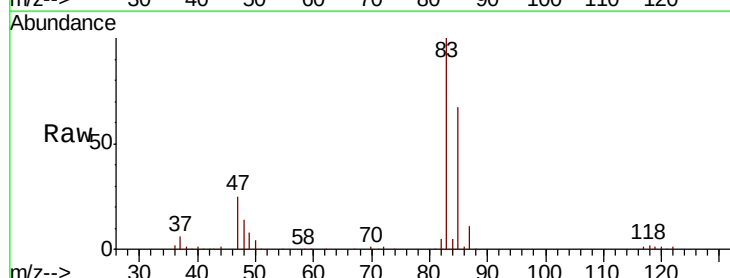
Manual Integrations
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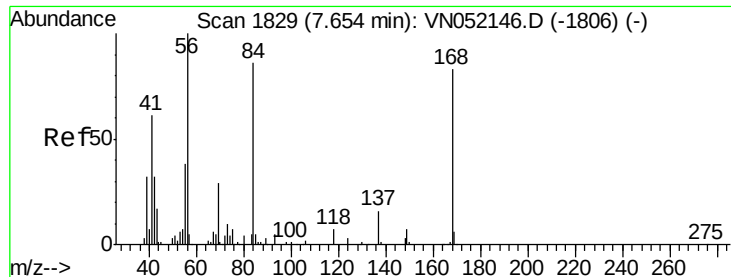
MMDadoda
11/6/2018 9:59:54 AM



#30
Chloroform
Concen: 51.185 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052146.D
Acq: 5 Nov 2018 14:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.1	53.7	80.5





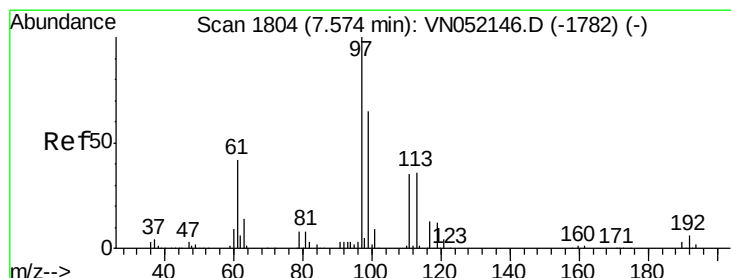
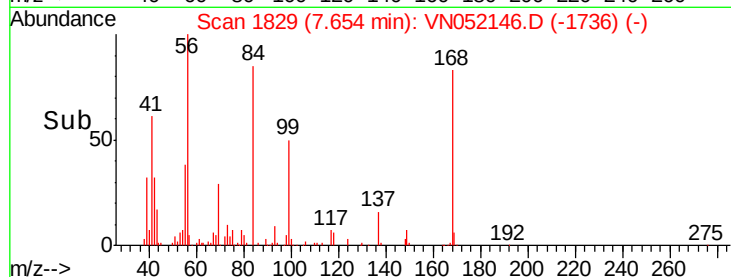
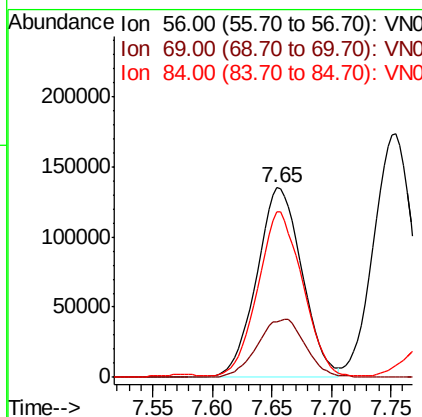
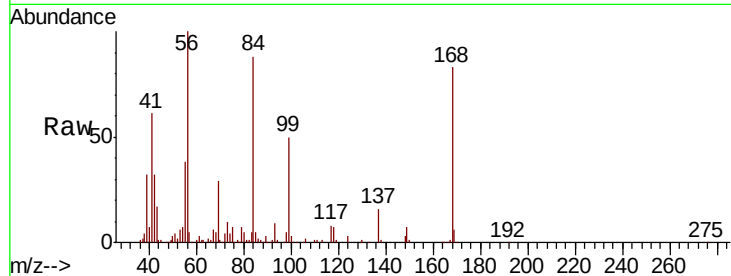
#31
Cyclohexane
Concen: 42.263 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN052146.D
Acq: 5 Nov 2018 14:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.4	23.5	35.3
84	85.9	68.7	103.1

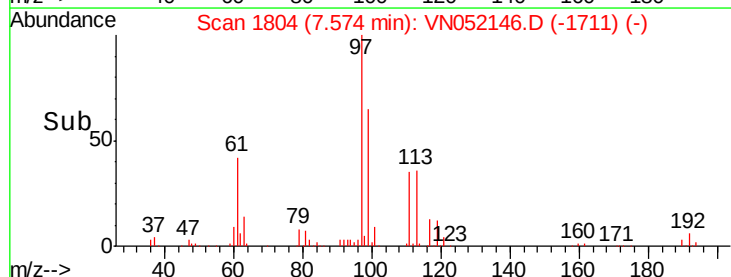
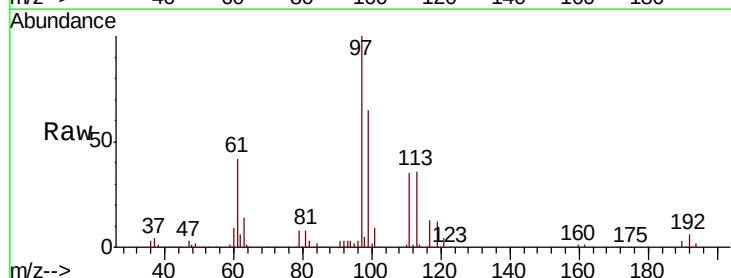
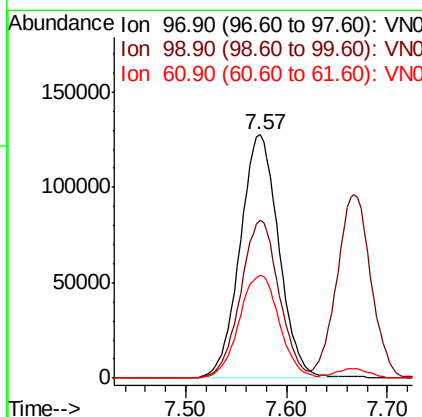
Manual Integrations
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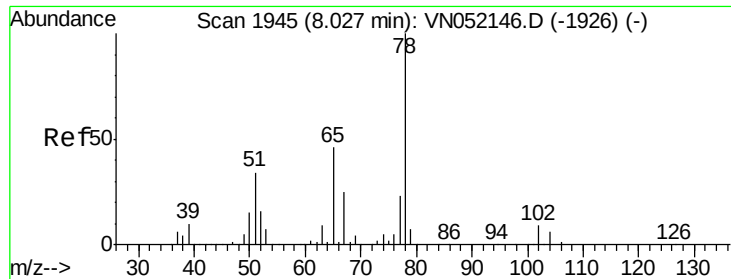
MMDadoda
11/6/2018 9:59:54 AM



#32
1,1,1-Trichloroethane
Concen: 51.315 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN052146.D
Acq: 5 Nov 2018 14:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.6	77.4
61	43.9	35.1	52.7





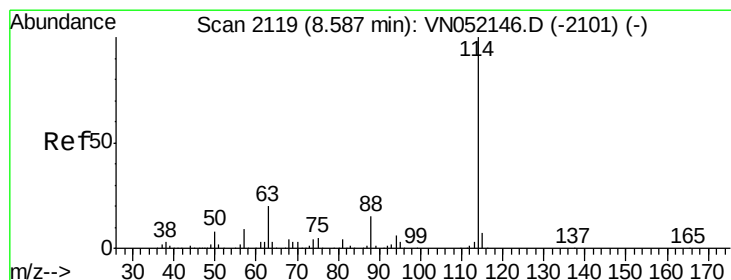
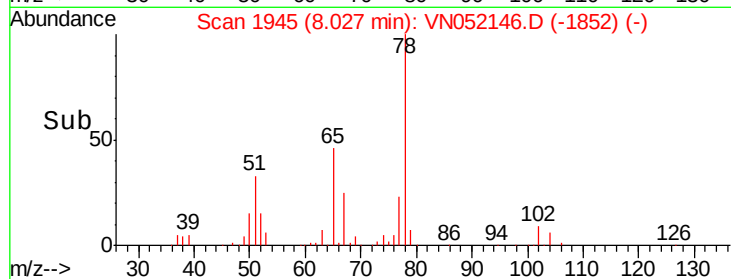
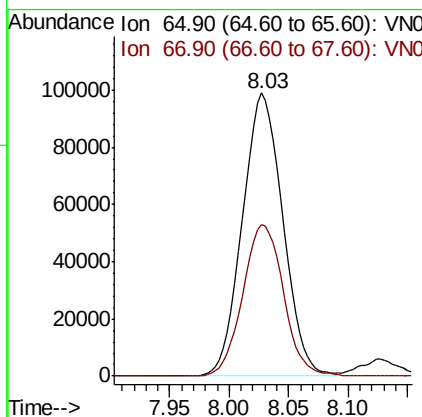
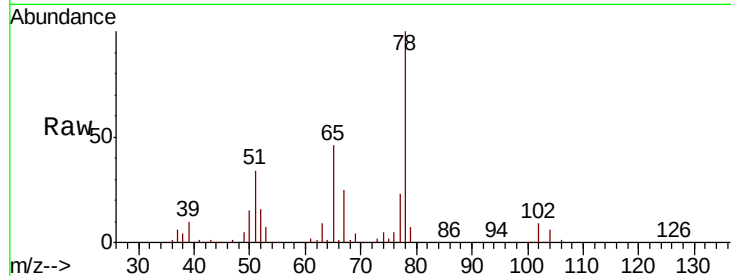
#33
 1,2-Dichloroethane-d4
 Concen: 51.315 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052146.D
 Acq: 5 Nov 2018 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	107.6

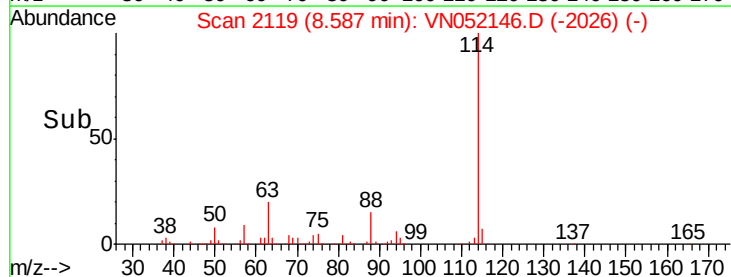
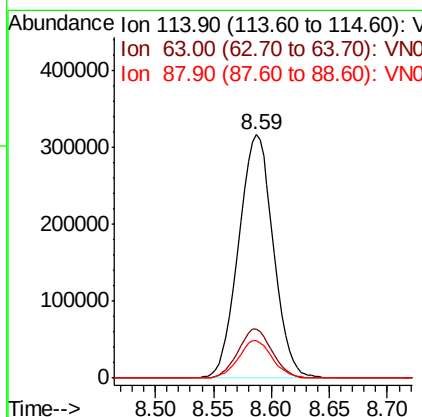
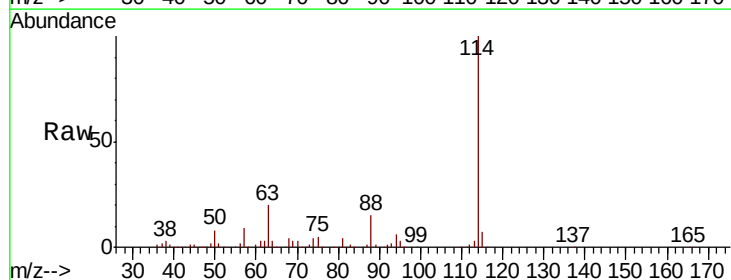
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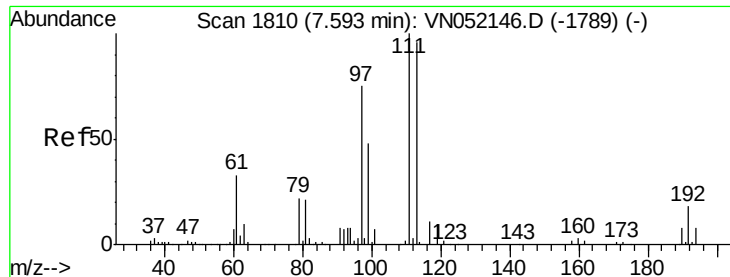
MMDadoda
 11/6/2018 9:59:54 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052146.D
 Acq: 5 Nov 2018 14:02

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	40.0
88	15.5	0.0	31.0





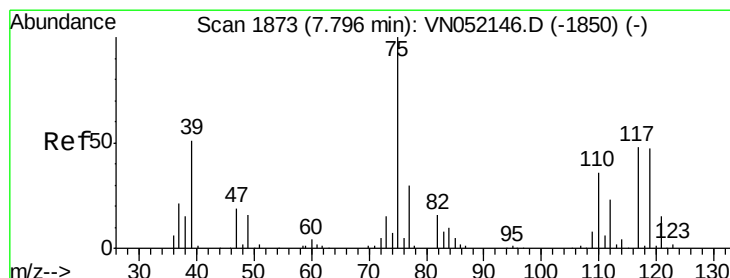
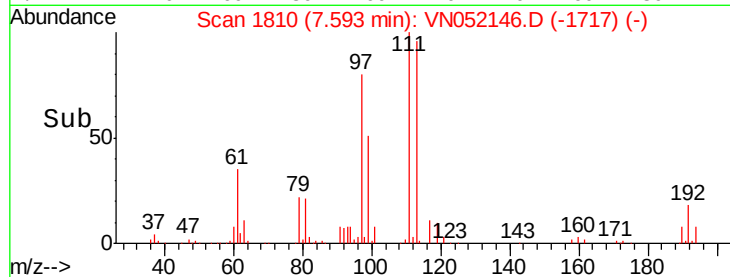
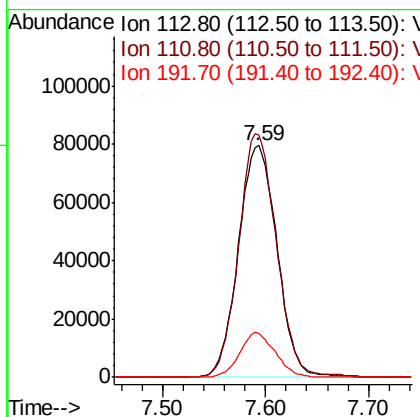
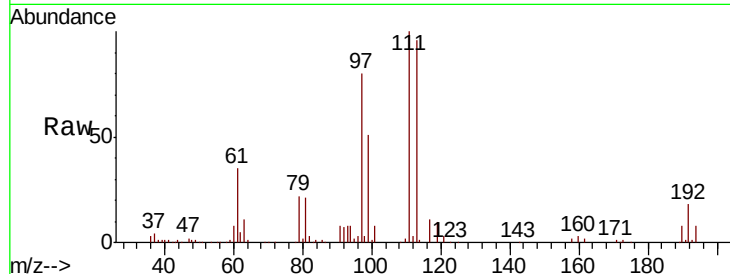
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052146.D
 Acq: 5 Nov 2018 14:02

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	207416		
111	102.1		81.7	122.5
192	17.8		14.2	21.4

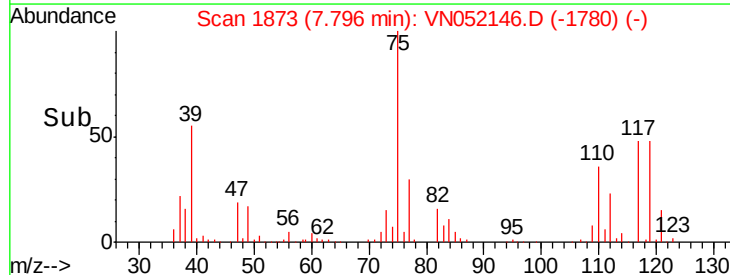
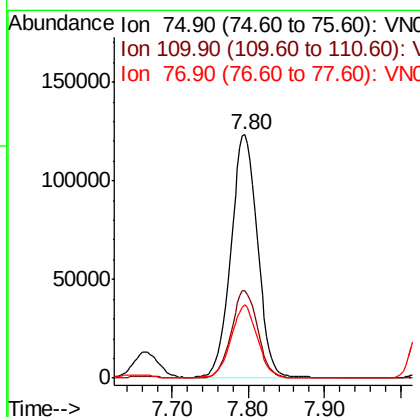
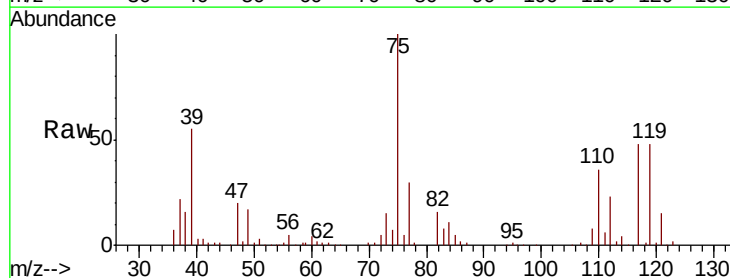
Manual Integrations
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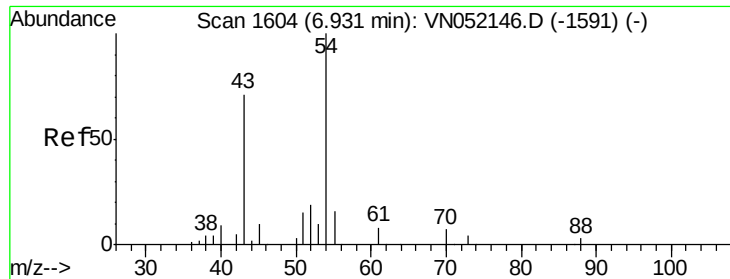
MMDadoda
 11/6/2018 9:59:54 AM



#36
 1,1-Dichloropropene
 Concen: 51.636 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052146.D
 Acq: 5 Nov 2018 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	300741		
110	35.7		17.8	53.5
77	30.0		24.0	36.0





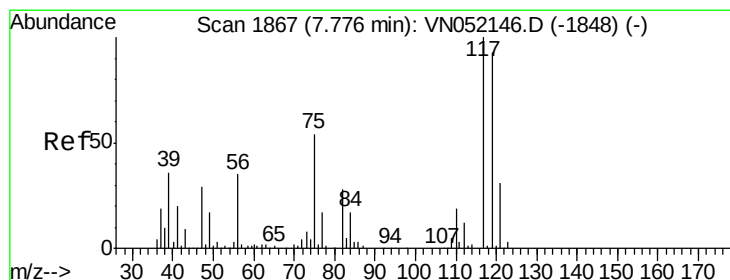
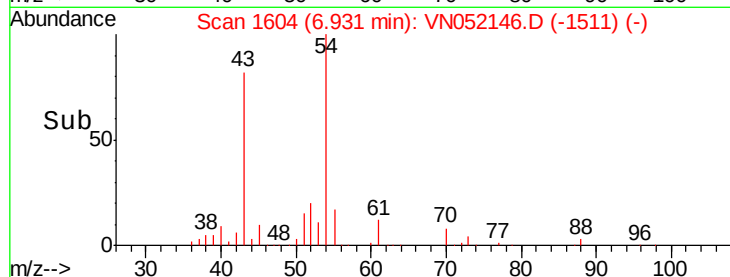
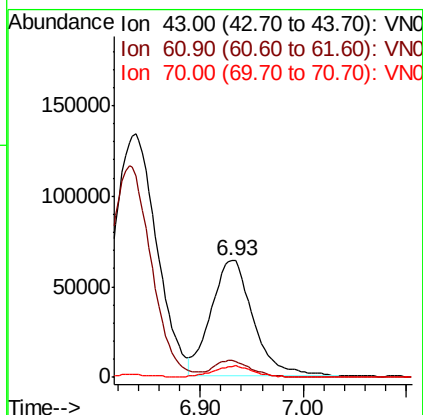
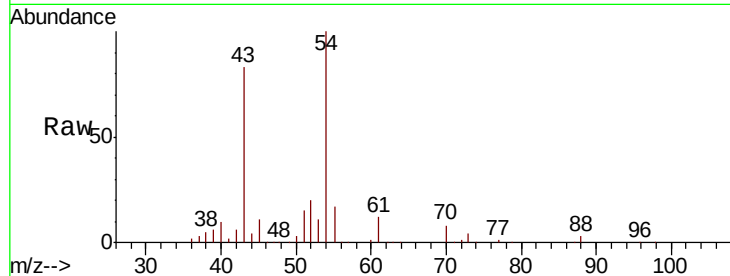
#37
Ethyl Acetate
Concen: 49.585 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052146.D
Acq: 5 Nov 2018 14:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.8	9.4	14.2
70	9.5	7.6	11.4

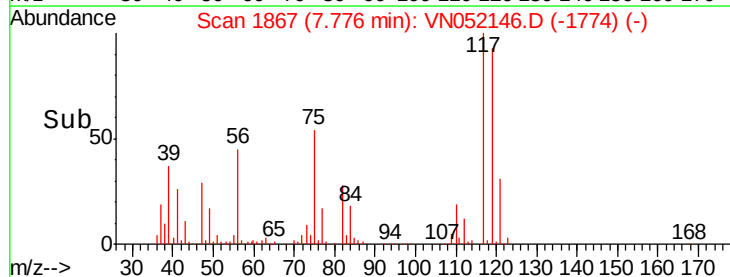
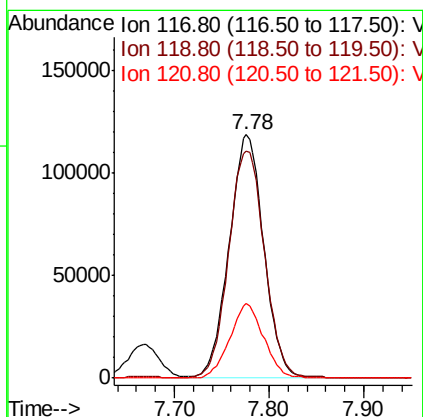
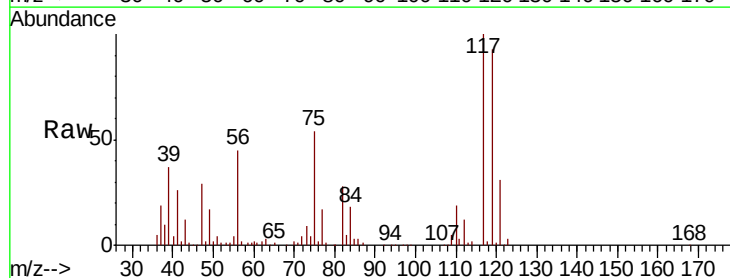
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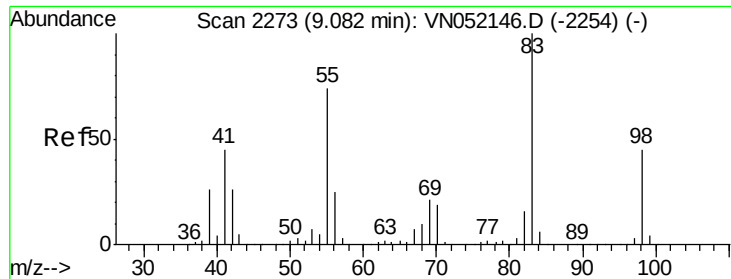
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#38
Carbon Tetrachloride
Concen: 51.672 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052146.D
Acq: 5 Nov 2018 14:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.4	74.7	112.1
121	30.6	24.5	36.7





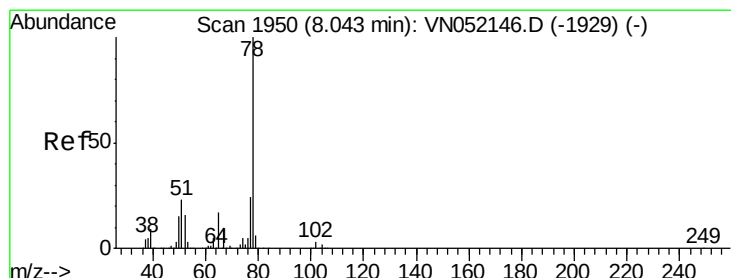
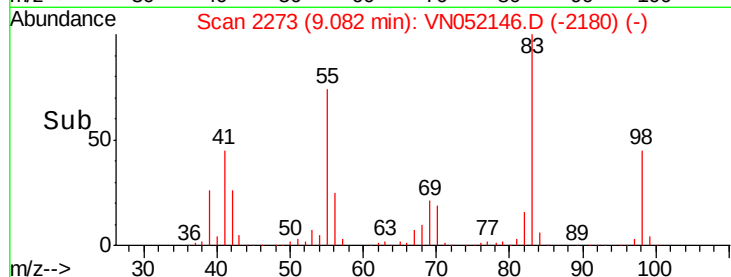
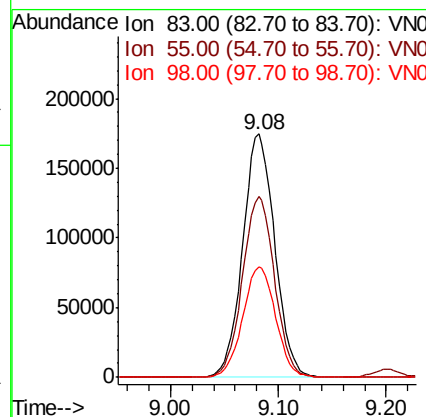
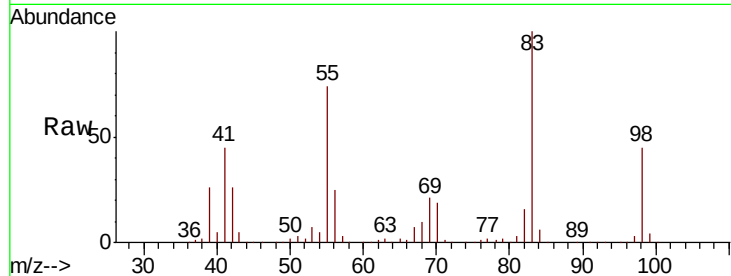
#39
Methylvlcyclohexane
Concen: 52.440 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052146.D
Acq: 5 Nov 2018 14:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	83.00	Resp	361715
Ion	Ratio	Lower	Upper
83	100		
55	74.3	59.4	89.2
98	45.4	36.3	54.5

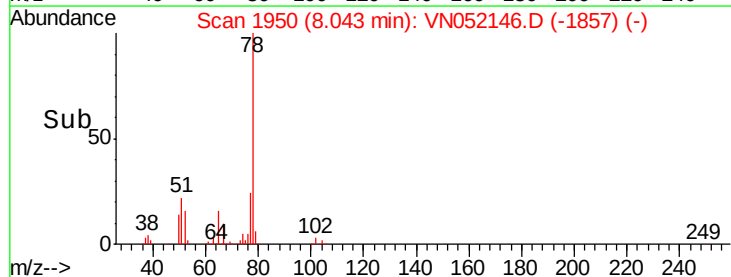
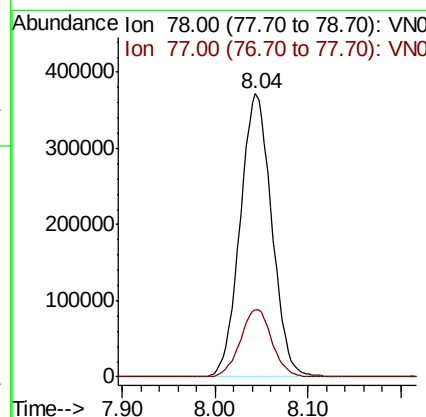
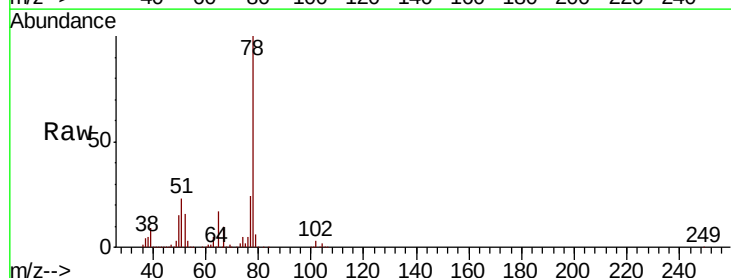
Manual Integrations
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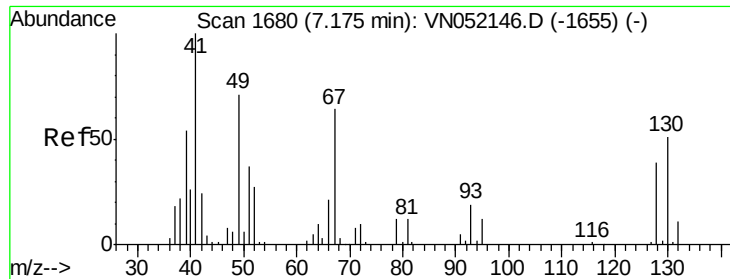
MMDadoda
11/6/2018 9:59:54 AM



#40
Benzene
Concen: 51.361 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052146.D
Acq: 5 Nov 2018 14:02

Tgt Ion	78.00	Resp	879375
Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.1	28.7





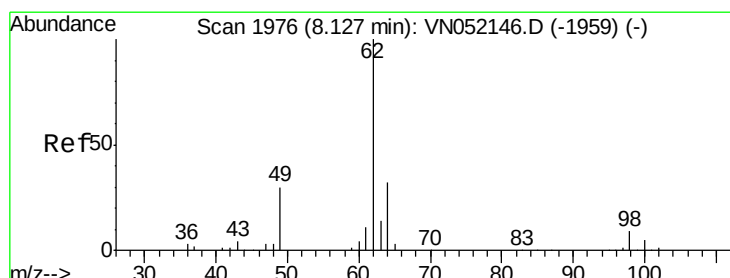
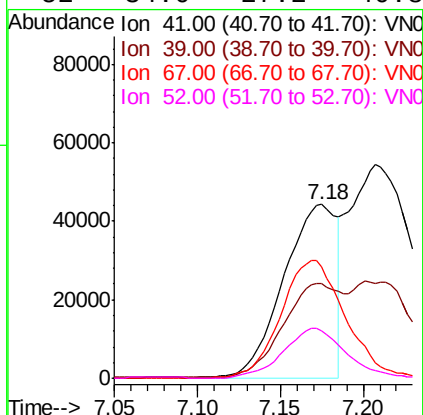
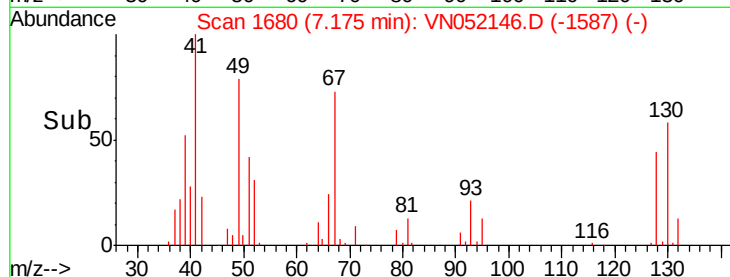
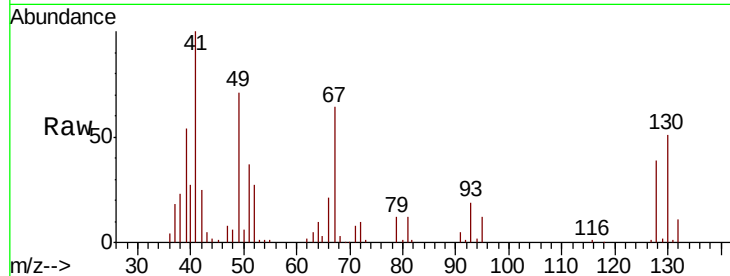
#41
Methacrylonitrile
Concen: 52.544 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN052146.D
Acq: 5 Nov 2018 14:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	62.0	49.6	74.4	
67	81.8	65.4	98.2	
52	34.0	27.2	40.8	

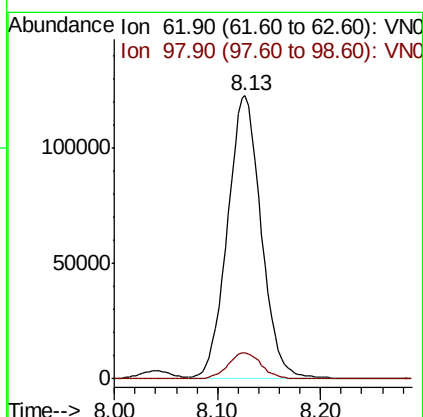
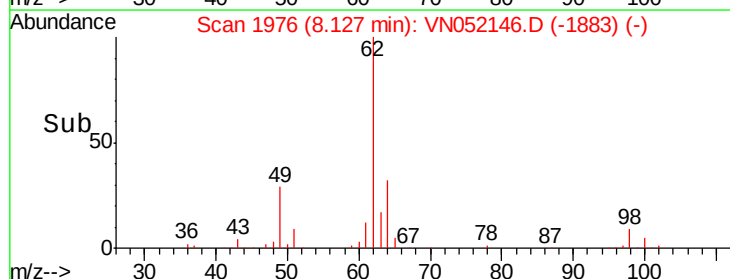
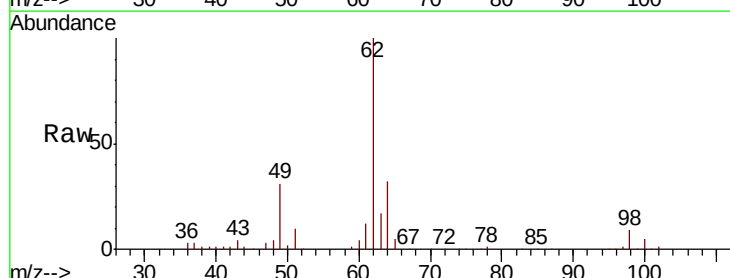
Manual Integrations
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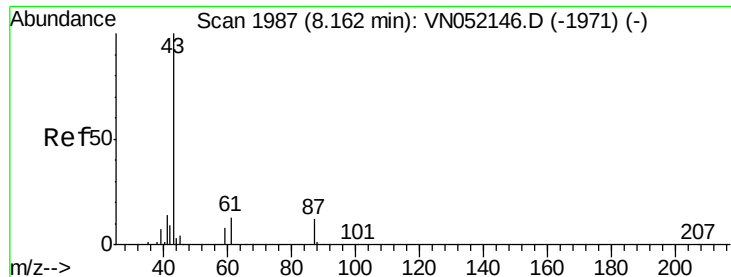
MMDadoda
11/6/2018 9:59:54 AM



#42
1,2-Dichloroethane
Concen: 50.511 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052146.D
Acq: 5 Nov 2018 14:02

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.1	0.0	18.2	





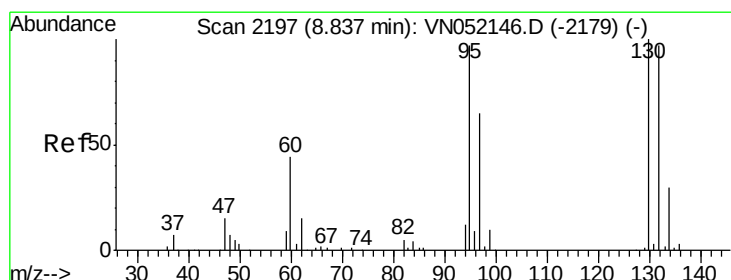
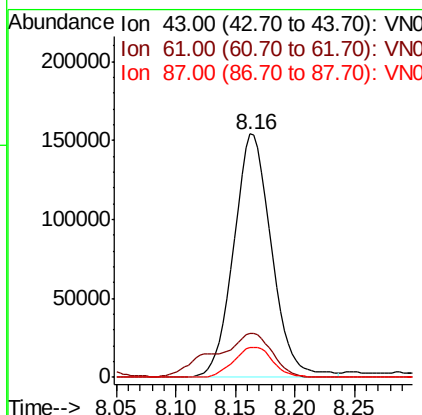
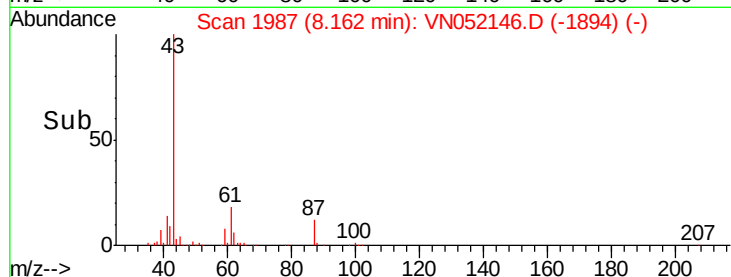
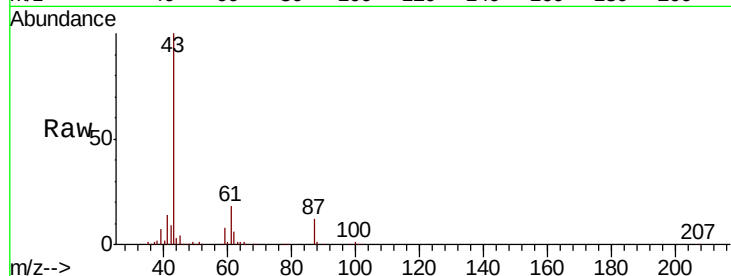
#43
Isopropyl Acetate
Concen: 50.938 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN052146.D
Acq: 5 Nov 2018 14:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.9	21.5	32.3
87	12.7	10.2	15.2

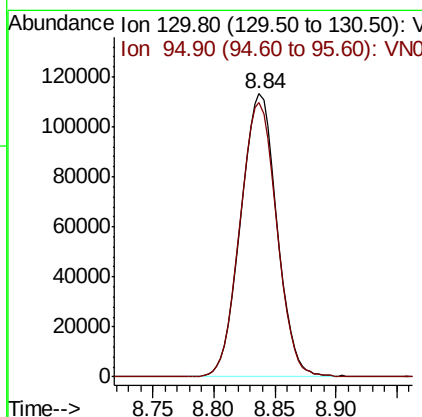
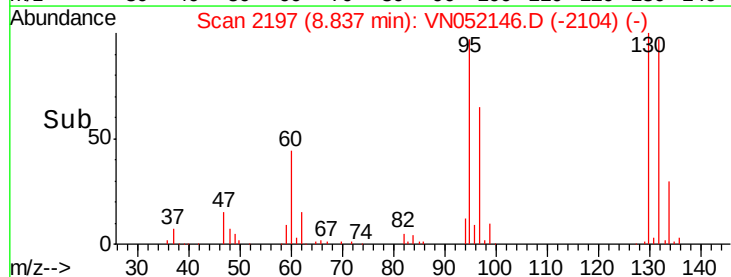
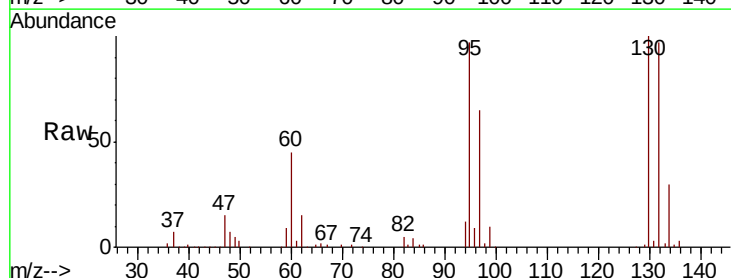
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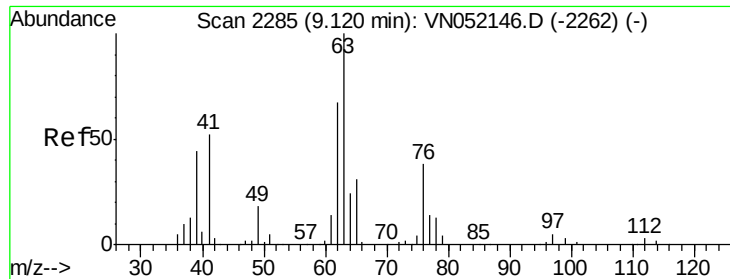
MMDadoda
11/6/2018 9:59:54 AM



#44
Trichloroethene
Concen: 51.140 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN052146.D
Acq: 5 Nov 2018 14:02

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.9	0.0	193.8





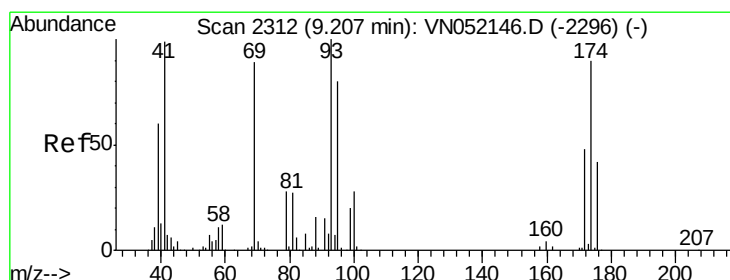
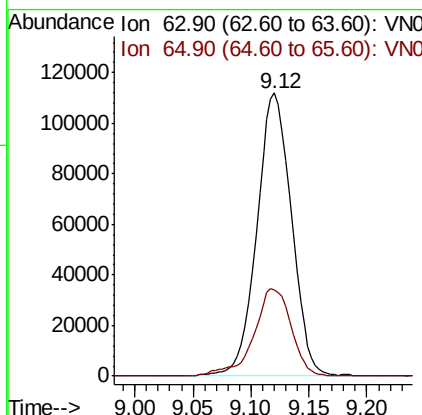
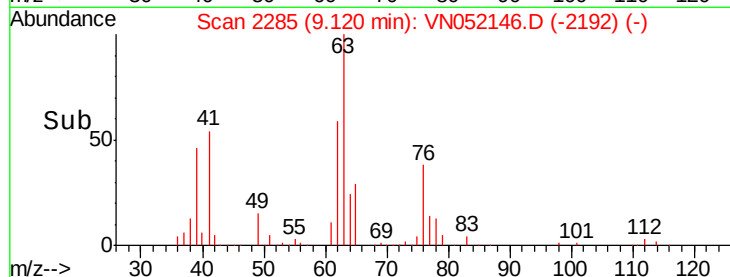
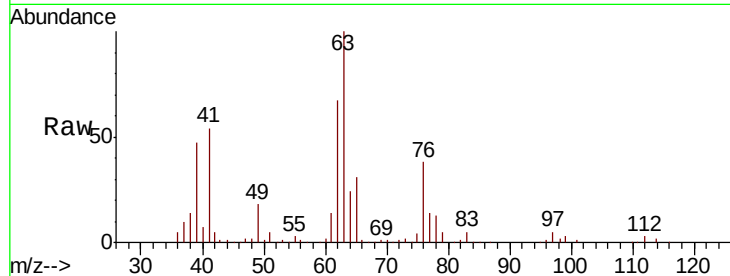
#45
 1,2-Dichloropropane
 Concen: 51.370 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052146.D
 Acq: 5 Nov 2018 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 232928
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.4 36.6

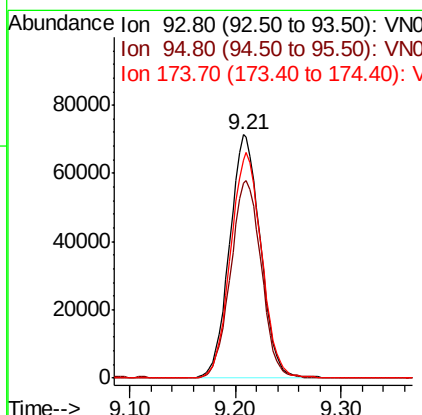
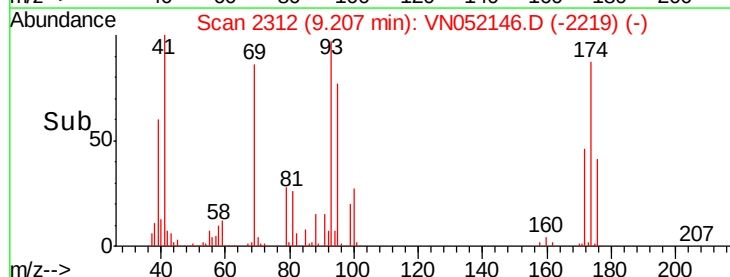
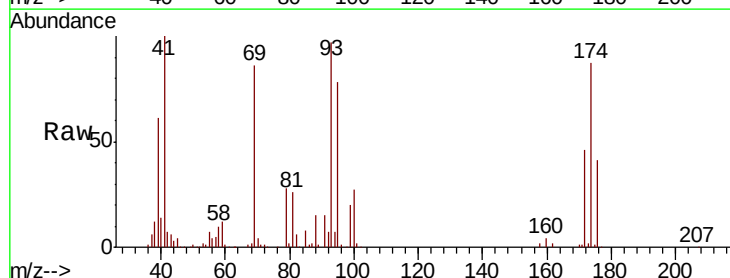
Manual Integrations
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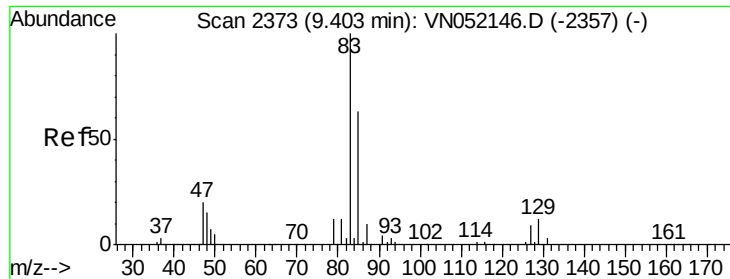
MMDadoda
 11/6/2018 9:59:54 AM



#46
 Dibromomethane
 Concen: 50.045 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN052146.D
 Acq: 5 Nov 2018 14:02

Tgt Ion: 93 Resp: 144313
 Ion Ratio Lower Upper
 93 100
 95 80.6 64.5 96.7
 174 93.3 74.6 112.0





#47

Bromodichloromethane

Concen: 51.748 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052146.D

Acq: 5 Nov 2018 14:02

Instrument :

MSVOA_N

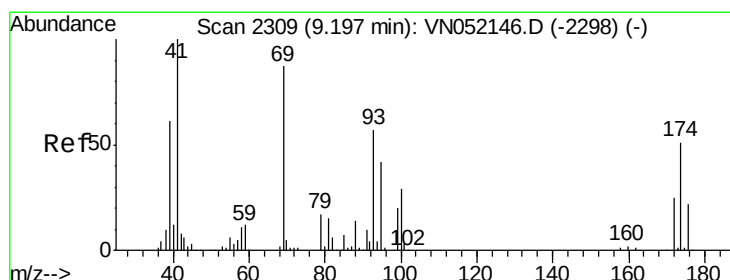
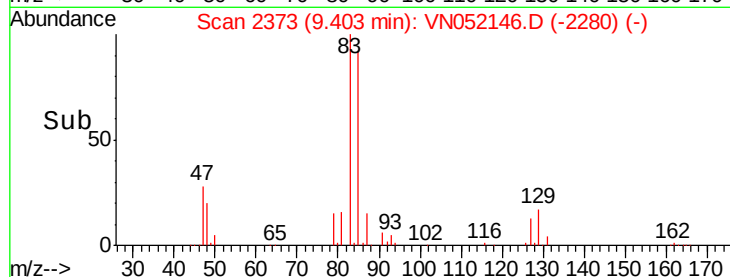
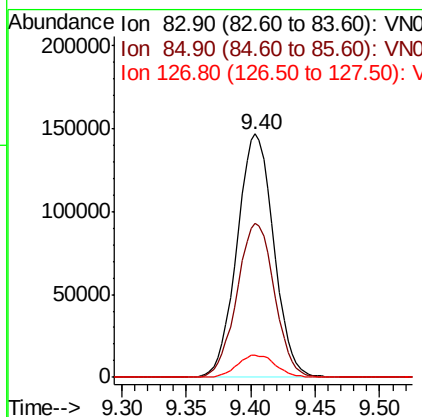
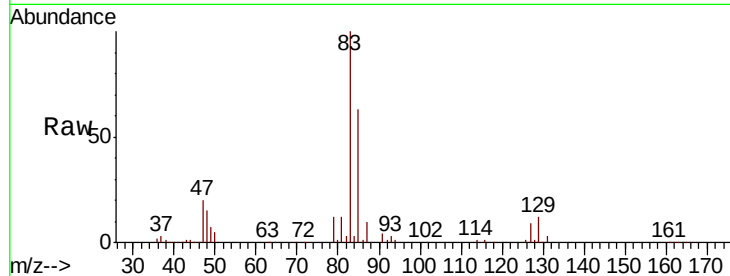
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	291022
Ion Ratio	Lower	Upper	
83	100		
85	63.1	50.5	75.7
127	9.0	7.2	10.8

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#48

Methyl methacrylate

Concen: 51.746 ug/l

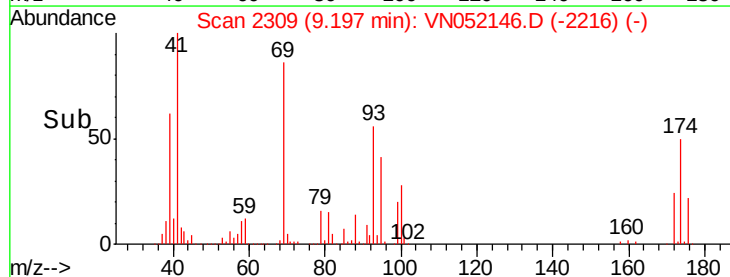
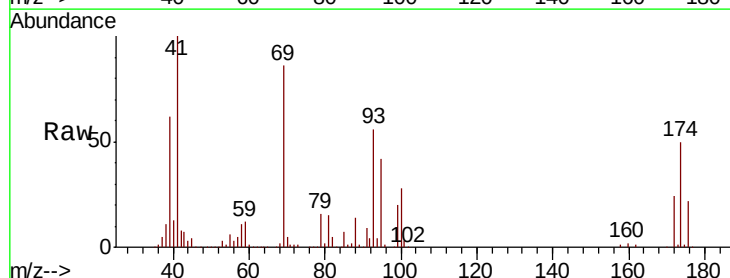
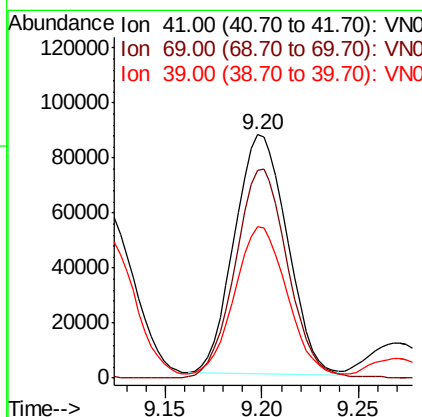
RT: 9.20 min Scan# 2309

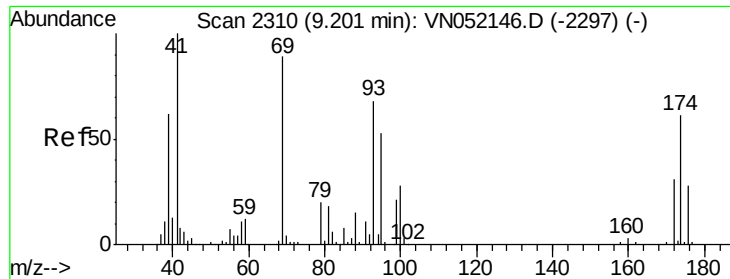
Delta R.T. 0.00 min

Lab File: VN052146.D

Acq: 5 Nov 2018 14:02

Tgt Ion:	41	Resp:	165505
Ion Ratio	Lower	Upper	
41	100		
69	87.1	69.7	104.5
39	63.3	50.6	76.0





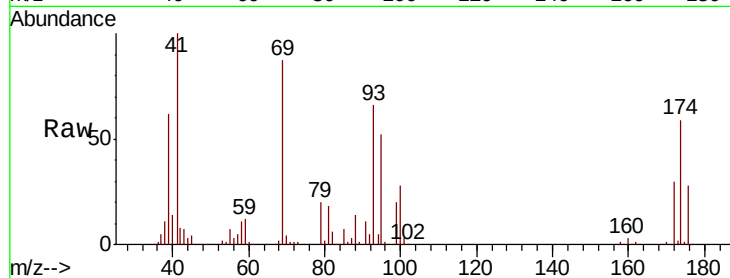
#49
1,4-Dioxane
Concen: 1027.716 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052146.D
Acq: 5 Nov 2018 14:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

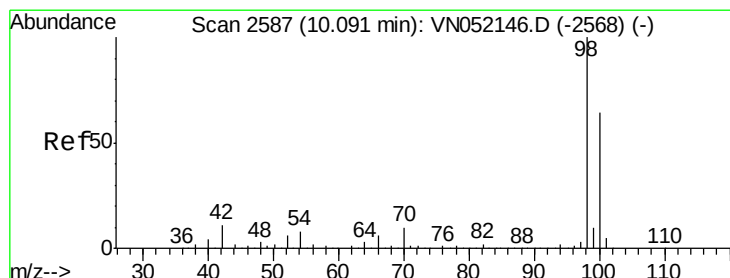
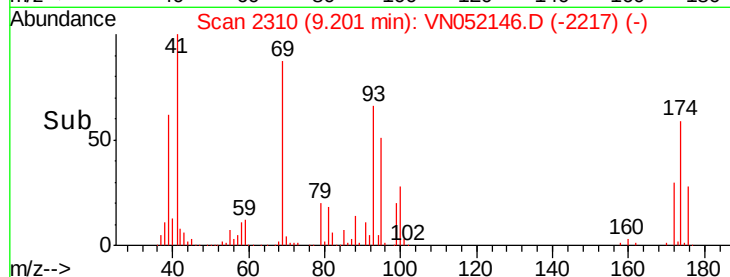
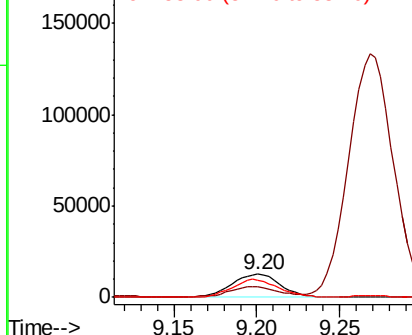
Tot Ion	Ratio	Lower	Upper
88	100		
43	41.3	33.0	49.6
58	73.3	58.6	88.0

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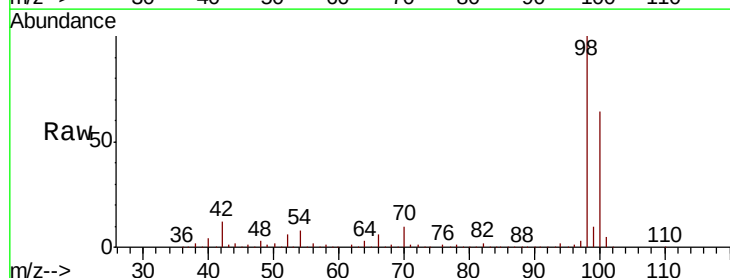


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

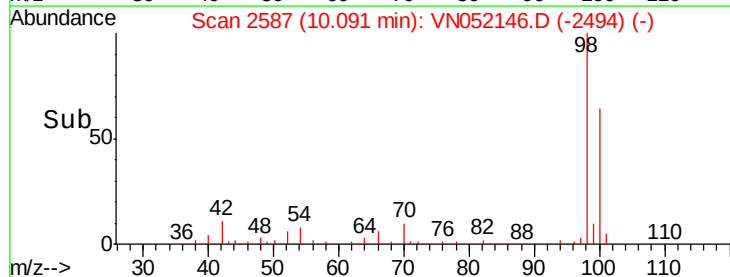
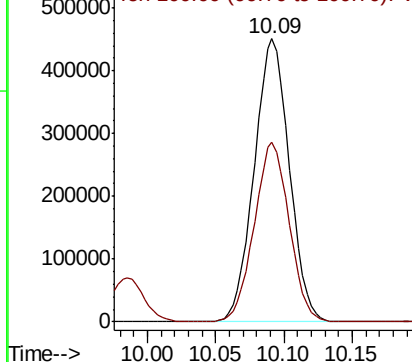


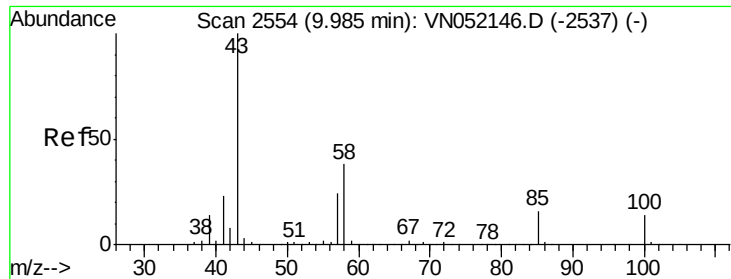
#50
Toluene-d8
Concen: 1027.716 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052146.D
Acq: 5 Nov 2018 14:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.1	50.5	75.7



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 257.545 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052146.D

Acq: 5 Nov 2018 14:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 904189

Ion Ratio Lower Upper

43 100

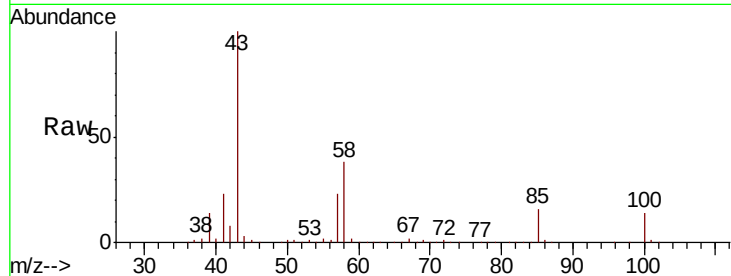
58 37.0 29.6 44.4

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

500000

400000

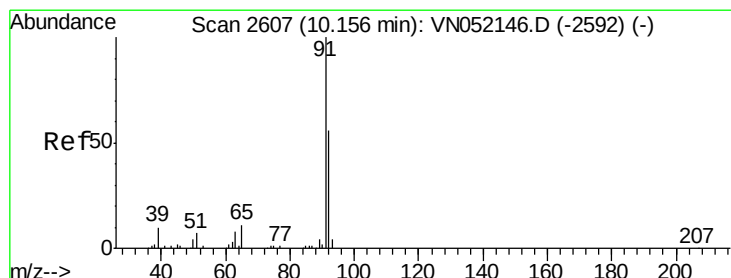
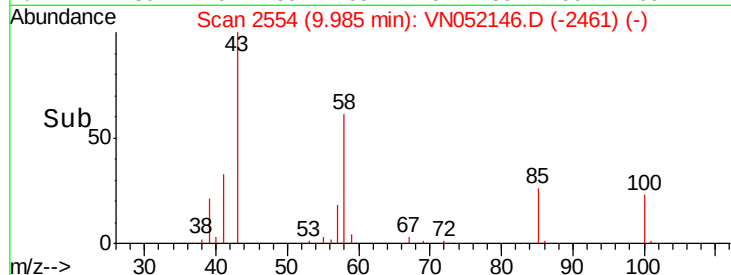
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 53.345 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052146.D

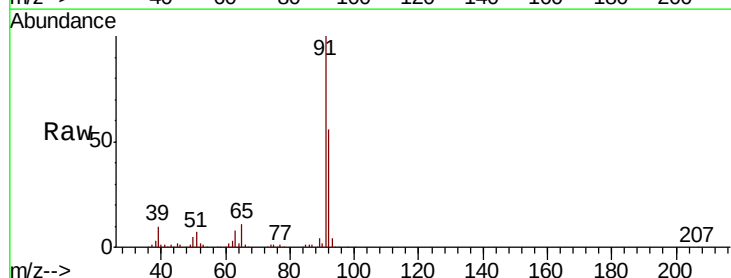
Acq: 5 Nov 2018 14:02

Tgt Ion: 92 Resp: 550764

Ion Ratio Lower Upper

92 100

91 178.1 142.5 213.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

600000

500000

400000

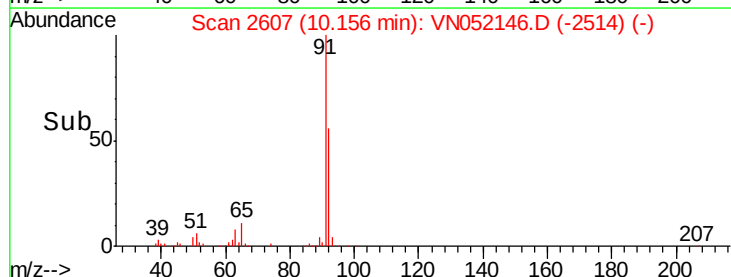
300000

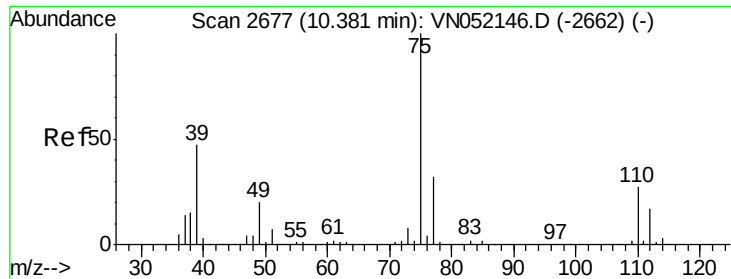
200000

100000

0

Time-->





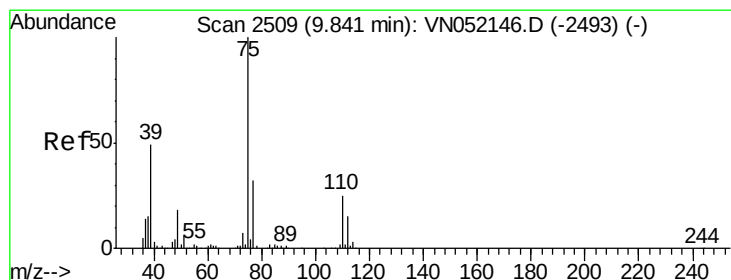
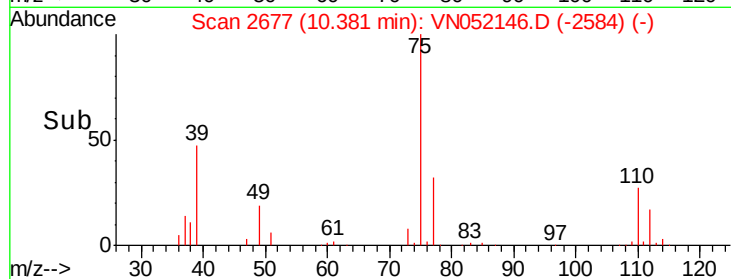
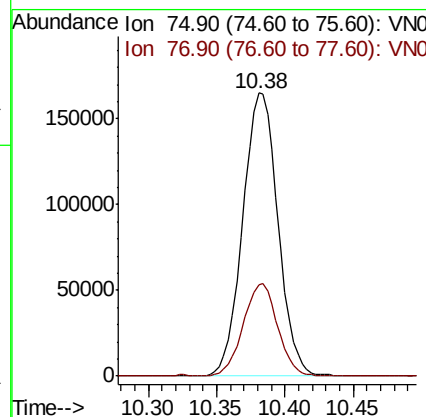
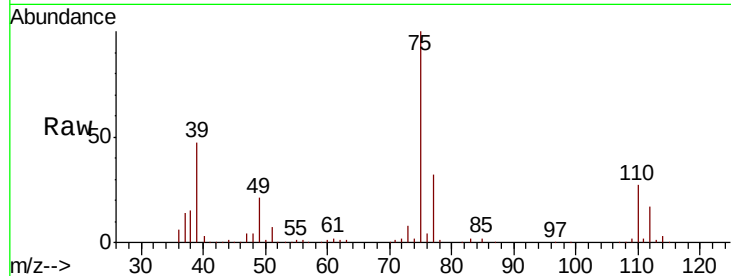
#53
 t-1,3-Dichloropropene
 Concen: 53.639 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN052146.D
 Acq: 5 Nov 2018 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.8	38.6

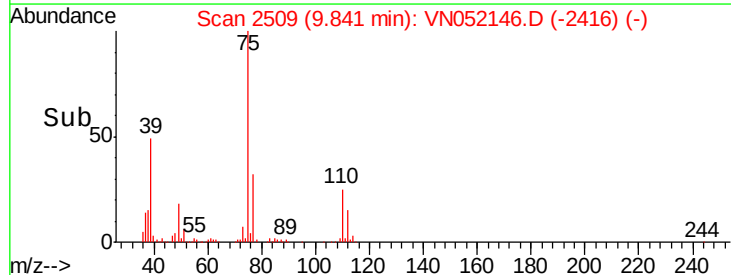
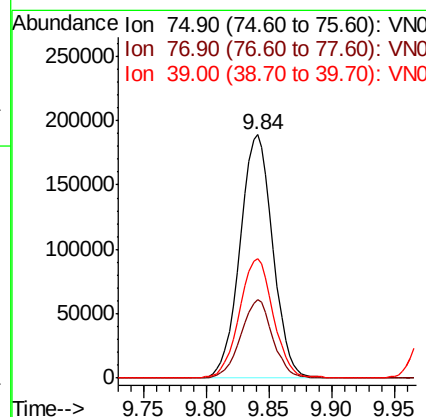
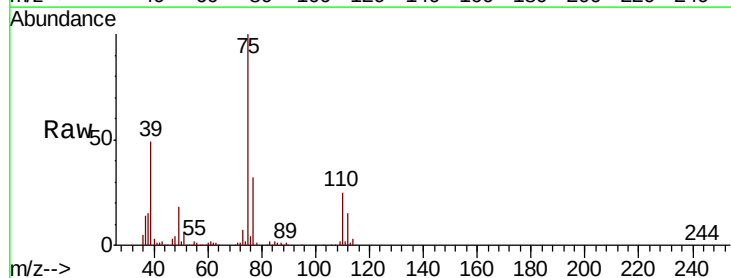
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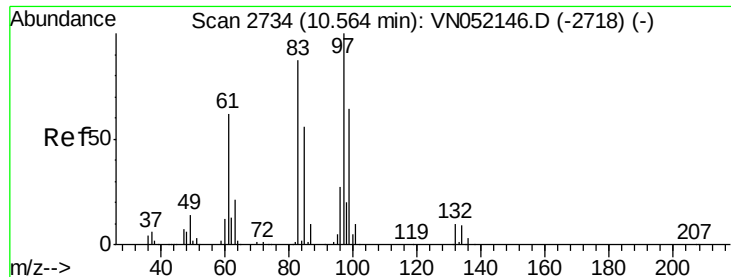
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#54
 cis-1,3-Dichloropropene
 Concen: 53.209 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN052146.D
 Acq: 5 Nov 2018 14:02

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.8	38.8
39	49.0	39.2	58.8





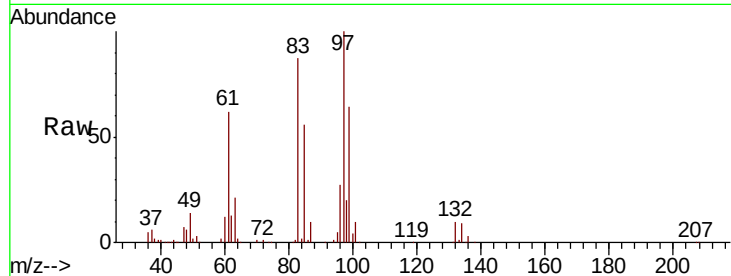
#55
 1,1,2-Trichloroethane
 Concen: 52.339 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052146.D
 Acq: 5 Nov 2018 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

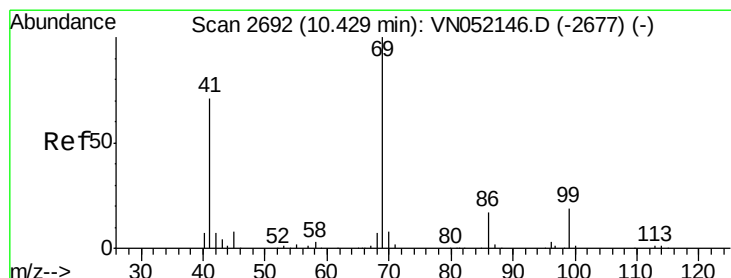
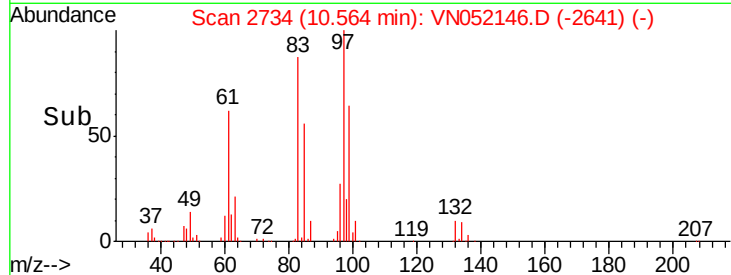
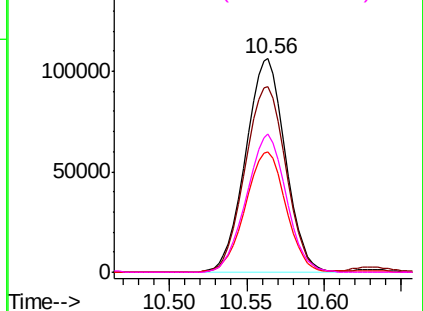
Tot Ion:	97	Resp:	190522
Ion	Ratio	Lower	Upper
97	100		
83	86.6	69.3	103.9
85	56.1	44.9	67.3
99	64.4	51.5	77.3

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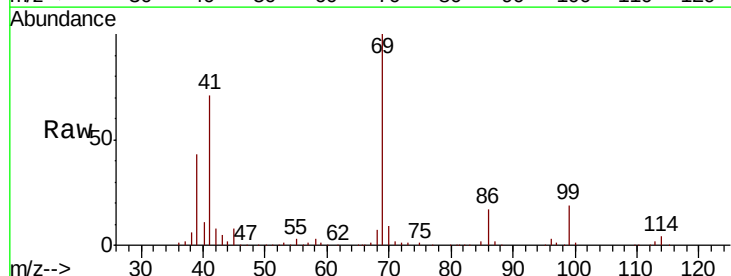


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

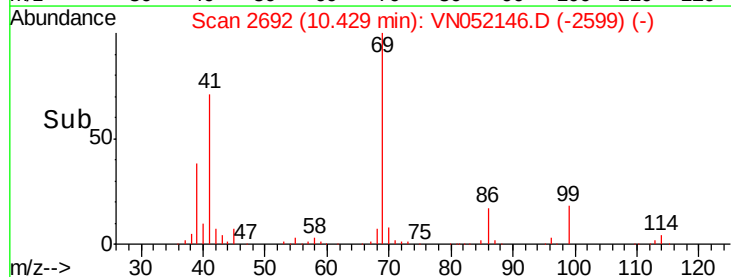
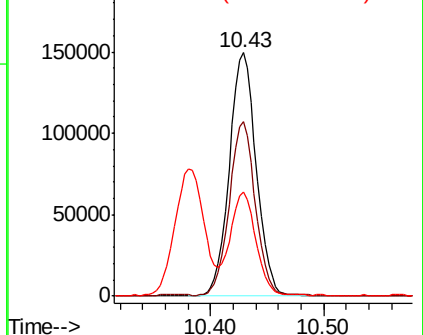


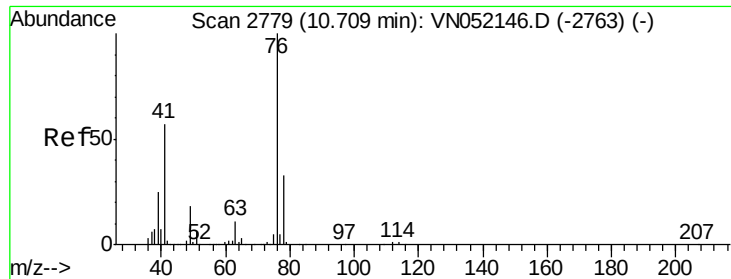
#56
 Ethyl methacrylate
 Concen: 52.315 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052146.D
 Acq: 5 Nov 2018 14:02

Tgt Ion:	69	Resp:	248223
Ion	Ratio	Lower	Upper
69	100		
41	69.2	55.4	83.0
39	40.0	32.0	48.0



Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 51.268 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052146.D

Acq: 5 Nov 2018 14:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 328771

Ion Ratio Lower Upper

76 100

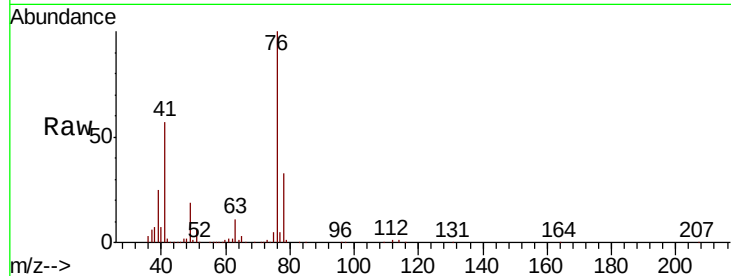
78 31.9 25.5 38.3

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

200000

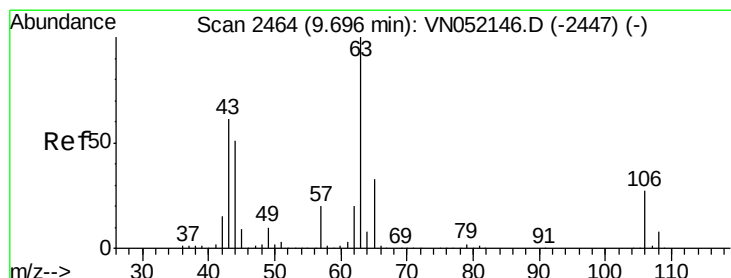
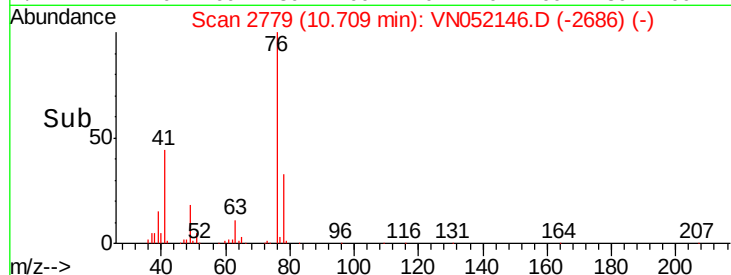
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 270.441 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052146.D

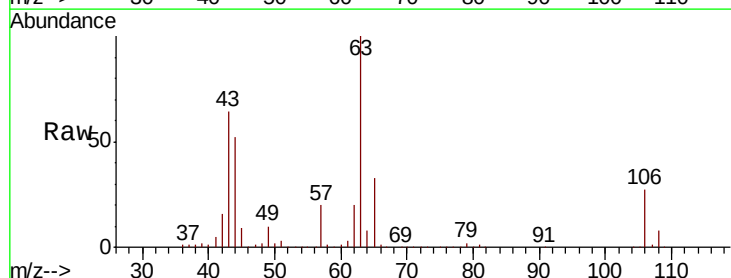
Acq: 5 Nov 2018 14:02

Tgt Ion: 63 Resp: 690570

Ion Ratio Lower Upper

63 100

106 26.2 21.0 31.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

400000

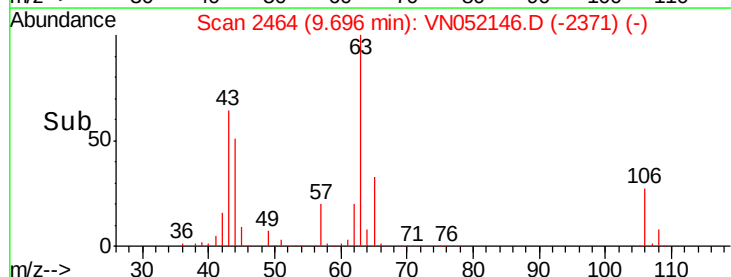
300000

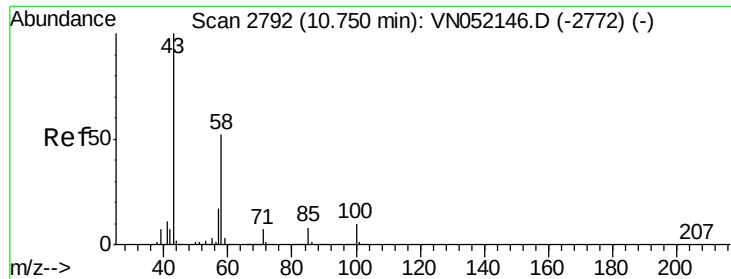
200000

100000

0

Time--> 9.60 9.70 9.80





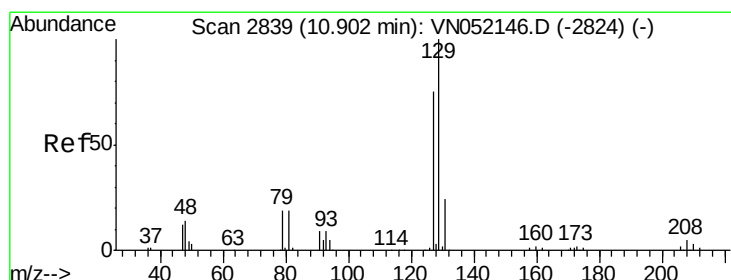
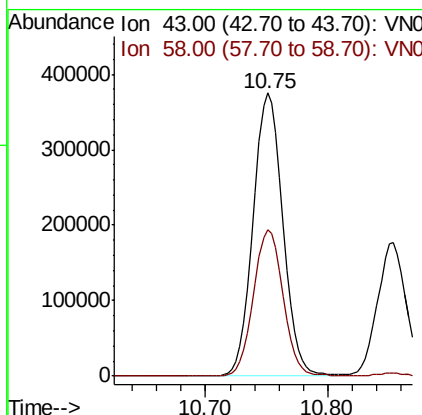
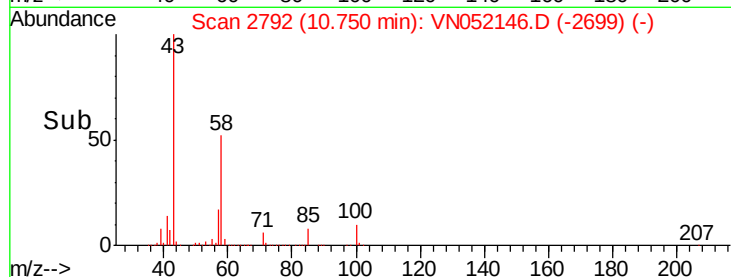
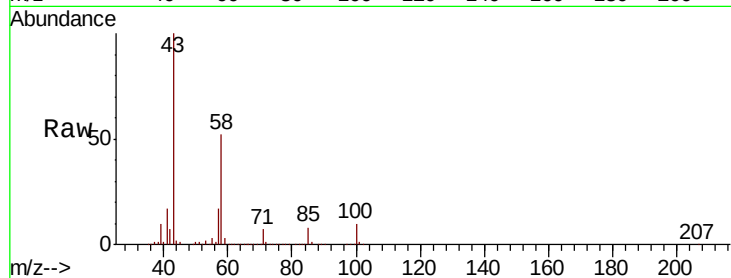
#59
2-Hexanone
Concen: 257.057 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052146.D
Acq: 5 Nov 2018 14:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	43	Resp	628235
Ion Ratio	43	100	
Lower	58	51.6	25.8
Upper			77.4

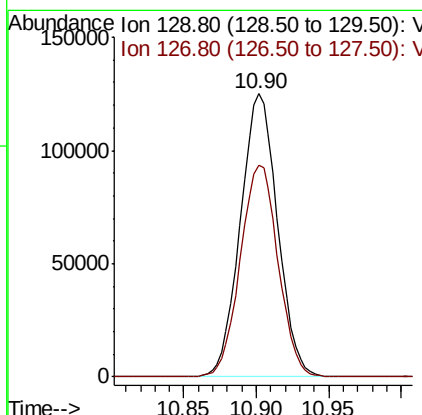
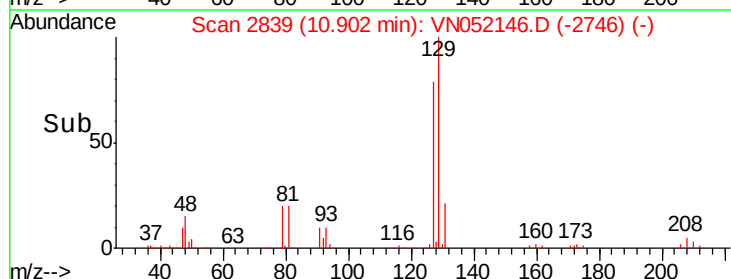
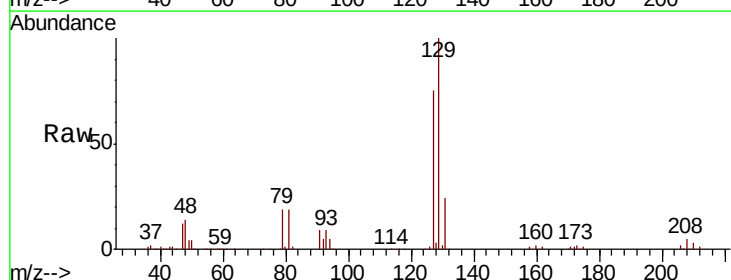
Manual Integrations
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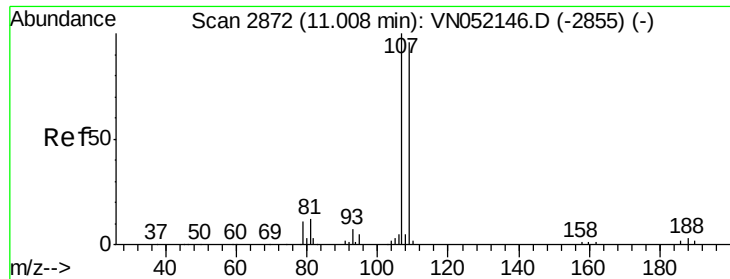
MMDadoda
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#60
Dibromochloromethane
Concen: 53.847 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052146.D
Acq: 5 Nov 2018 14:02

Tgt Ion	129	Resp	222904
Ion Ratio	129	100	
Lower	127	76.1	38.0
Upper			114.1





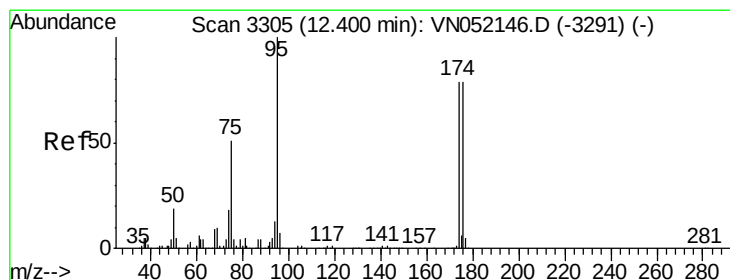
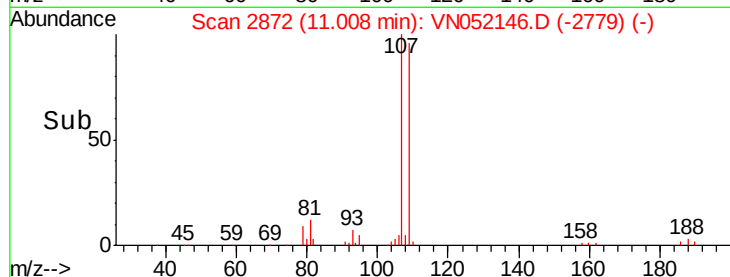
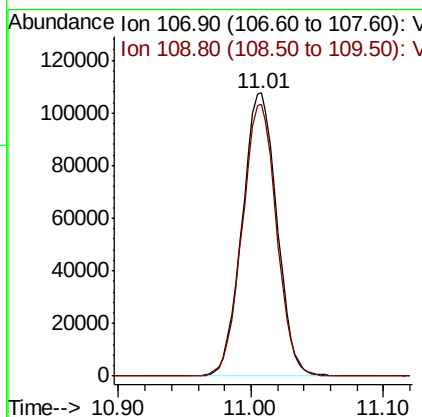
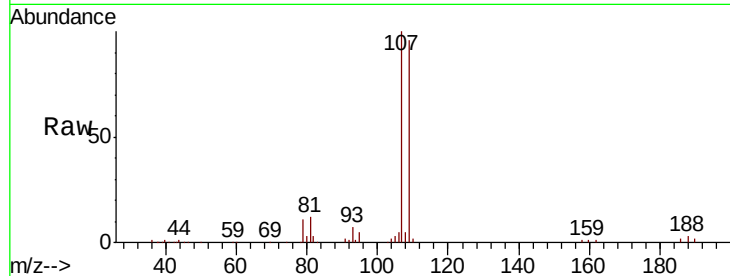
#61
 1,2-Dibromoethane
 Concen: 52.940 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052146.D
 Acq: 5 Nov 2018 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	76.0	114.0

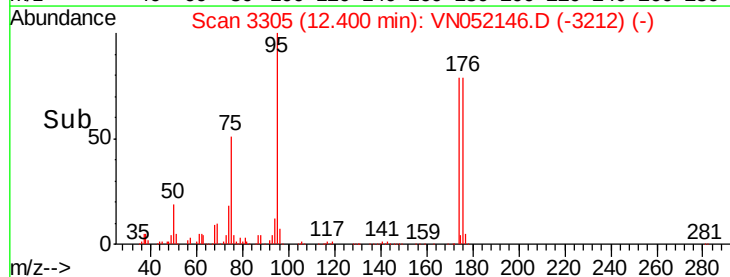
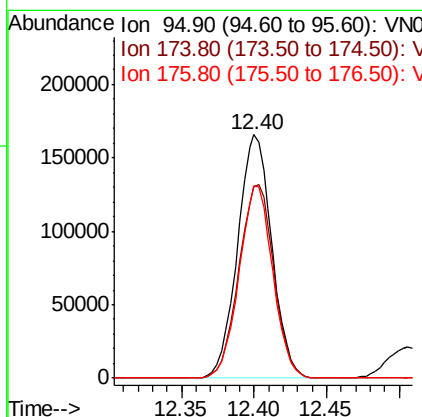
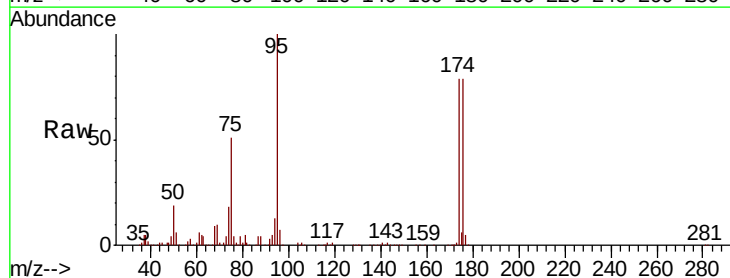
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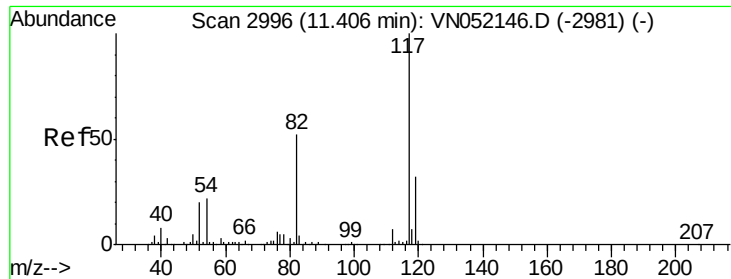
MMDadoda
 11/6/2018 9:59:54 AM



#62
 4-Bromofluorobenzene
 Concen: 52.940 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN052146.D
 Acq: 5 Nov 2018 14:02

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.3	0.0	162.6
176	77.7	0.0	155.4





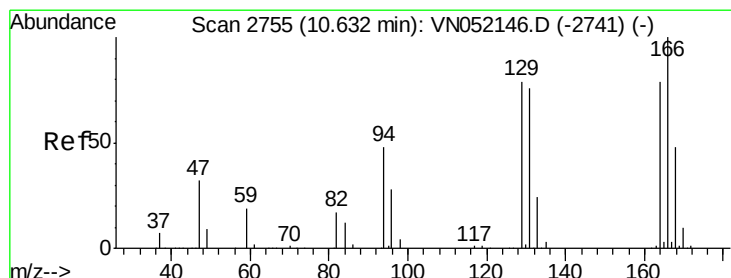
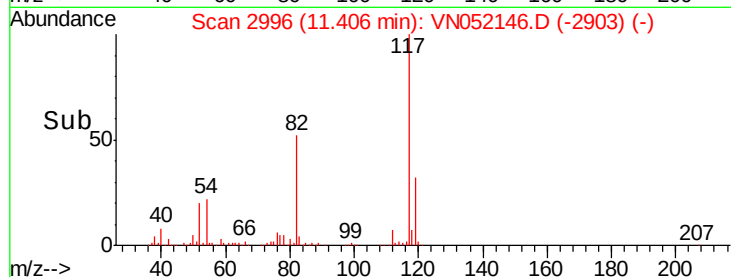
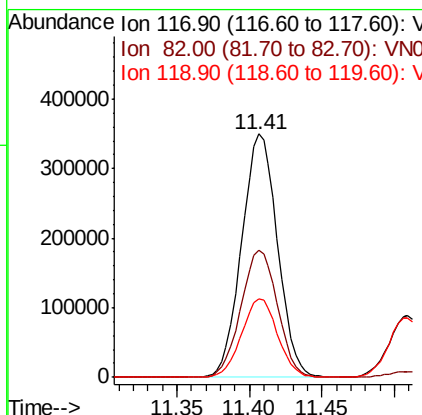
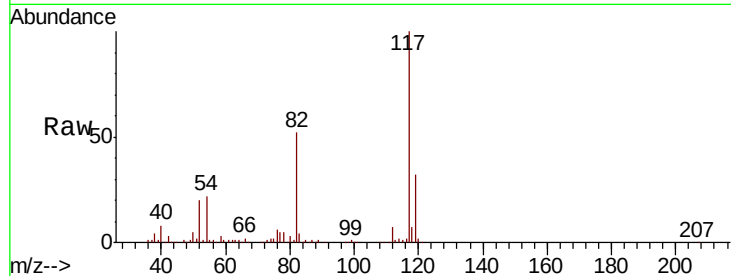
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052146.D
Acq: 5 Nov 2018 14:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	41.9	62.9
119	32.1	25.7	38.5

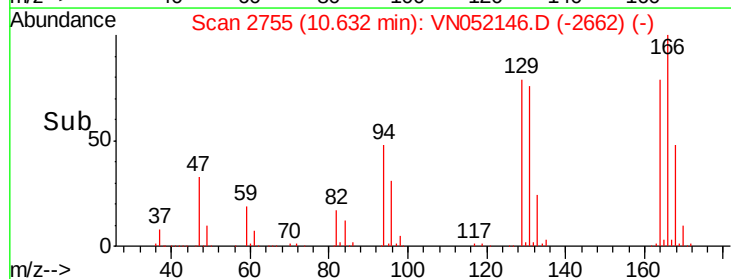
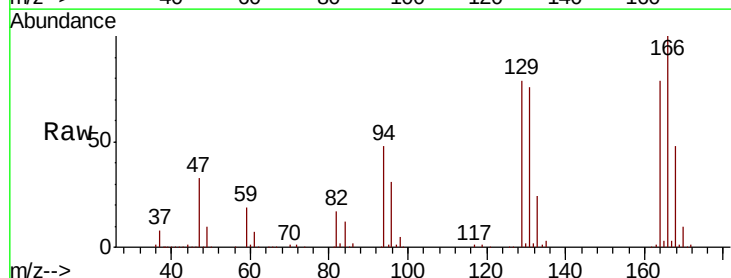
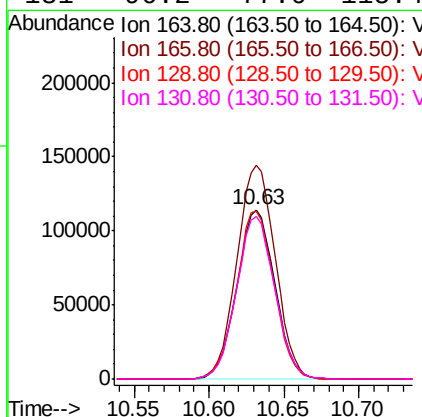
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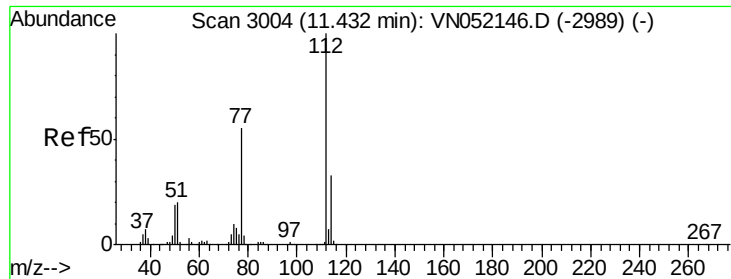
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#64
Tetrachloroethene
Concen: 51.672 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052146.D
Acq: 5 Nov 2018 14:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.0	100.8	151.2
129	98.9	79.1	118.7
131	96.2	77.0	115.4





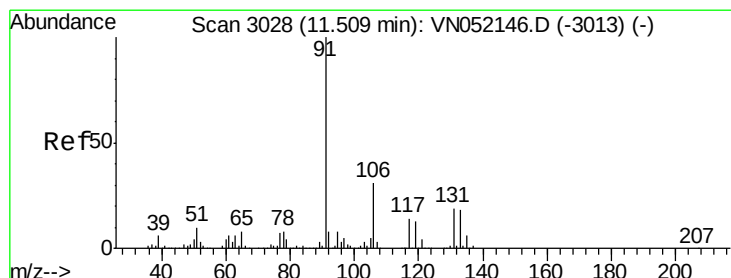
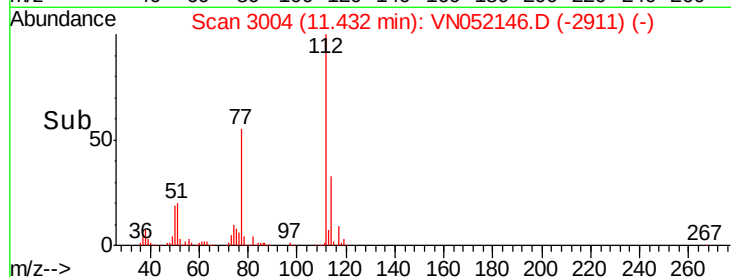
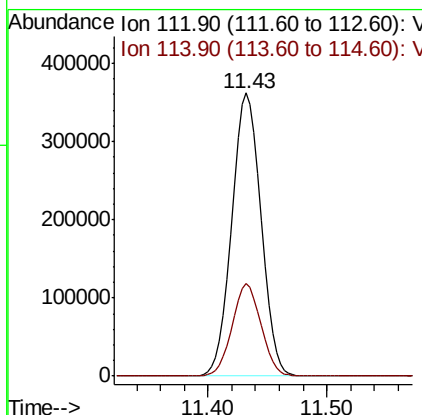
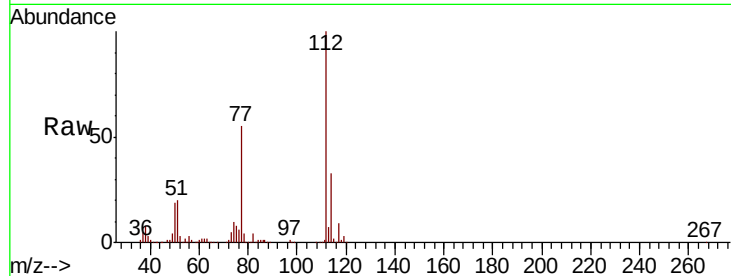
#65
Chlorobenzene
Concen: 50.188 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052146.D
Acq: 5 Nov 2018 14:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.8	26.2	39.4

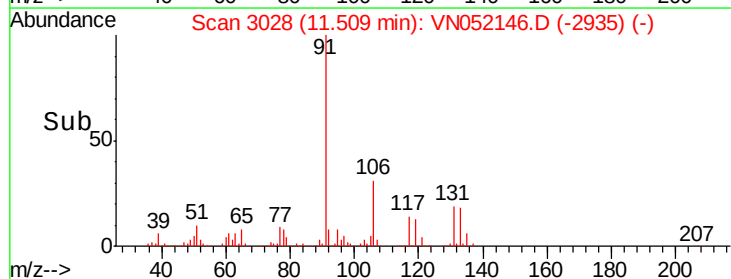
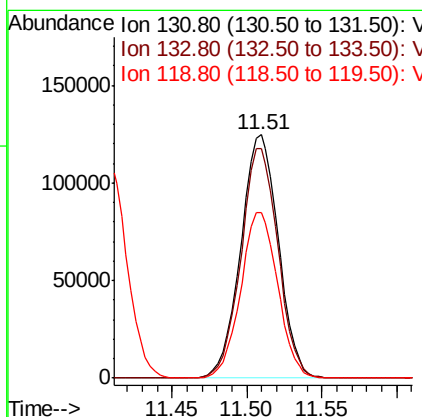
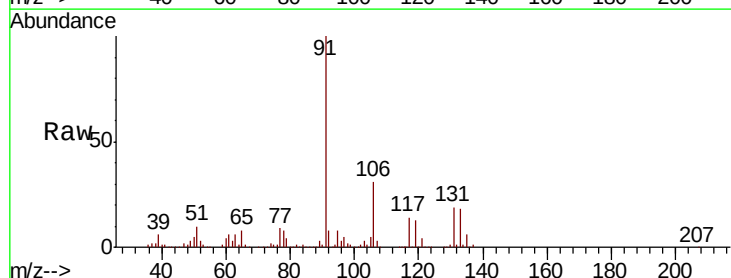
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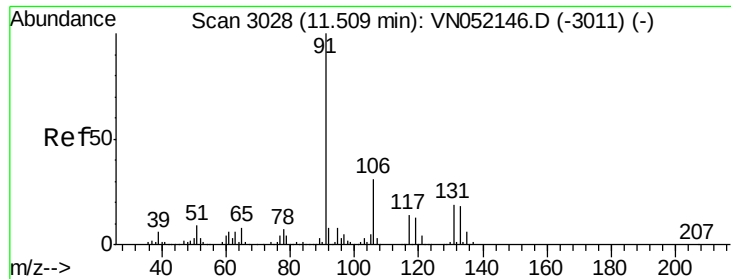
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.843 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052146.D
Acq: 5 Nov 2018 14:02

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.2	46.6	139.8
119	67.2	33.6	100.8





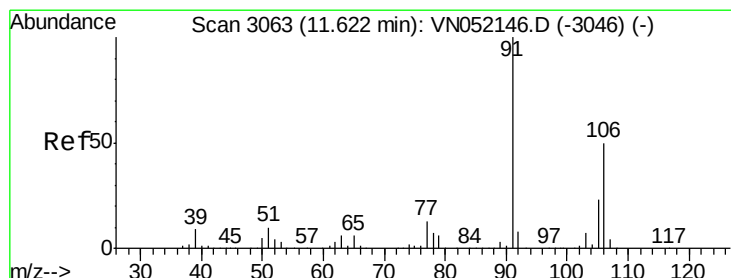
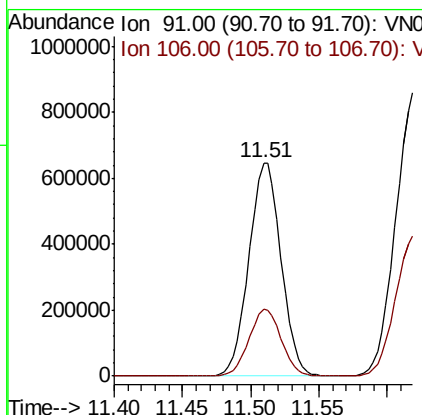
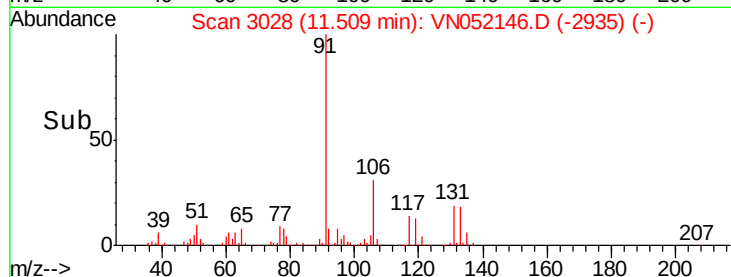
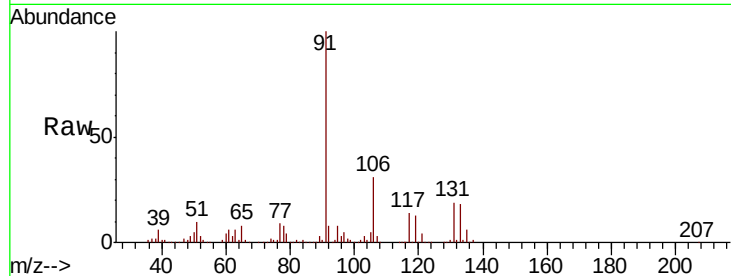
#67
Ethyl Benzene
Concen: 51.912 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052146.D
Acq: 5 Nov 2018 14:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 1059425
Ion Ratio Lower Upper
91 100
106 31.4 25.1 37.7

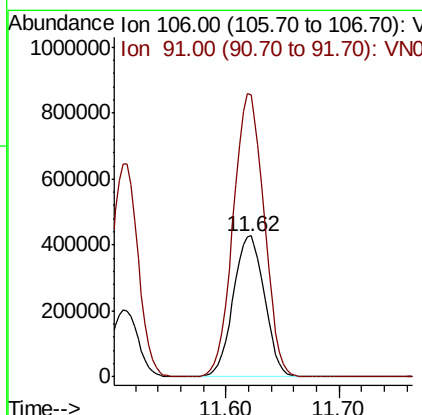
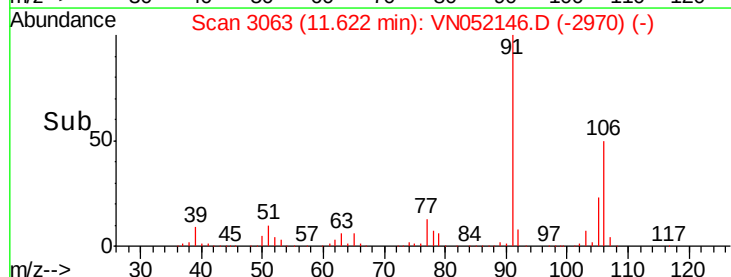
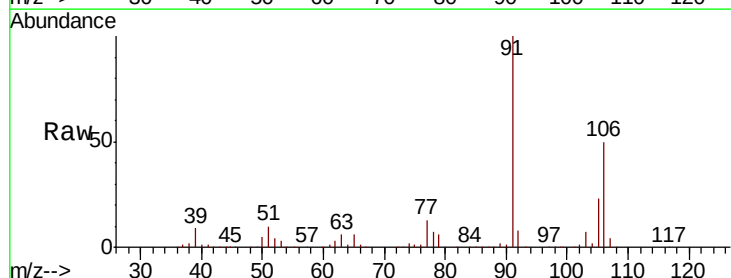
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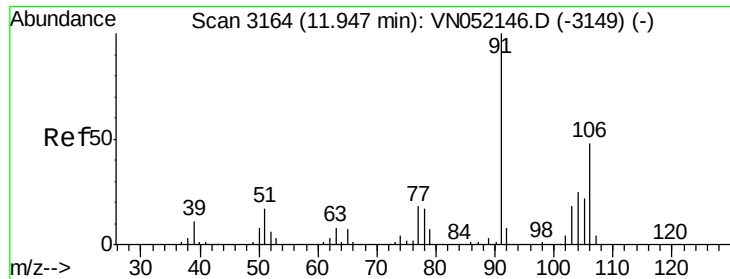
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#68
m/p-Xylenes
Concen: 104.563 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052146.D
Acq: 5 Nov 2018 14:02

Tgt Ion: 106 Resp: 823392
Ion Ratio Lower Upper
106 100
91 197.8 158.2 237.4





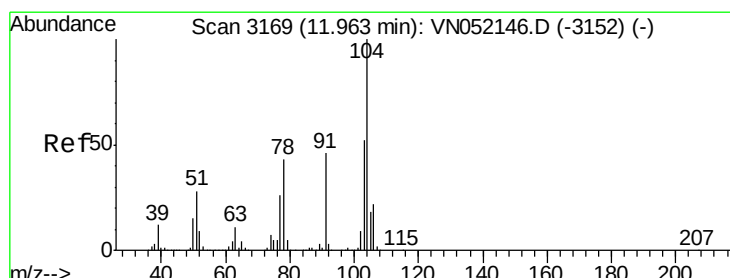
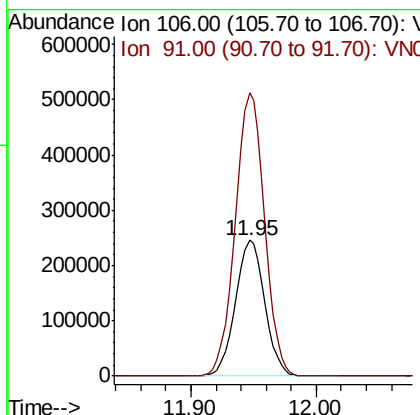
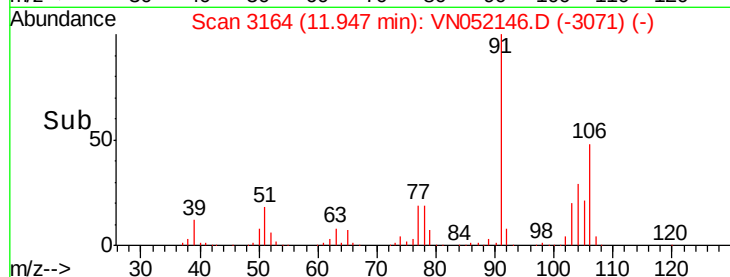
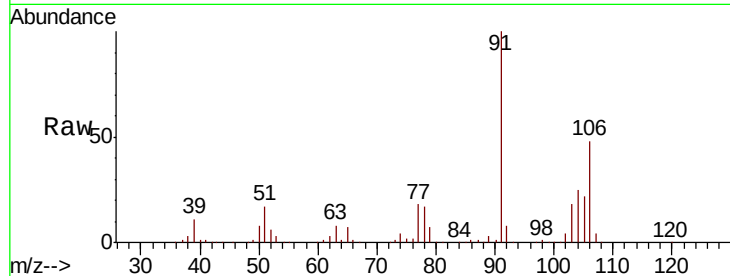
#69
o-Xylene
Concen: 51.929 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052146.D
Acq: 5 Nov 2018 14:02

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.5	104.8	314.3

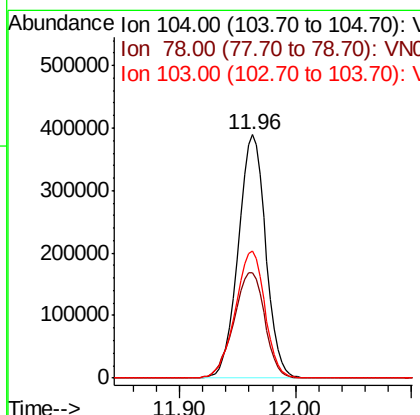
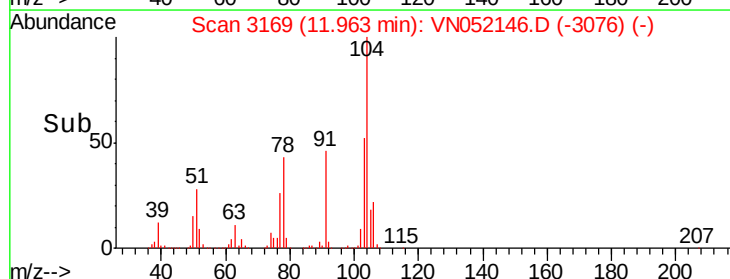
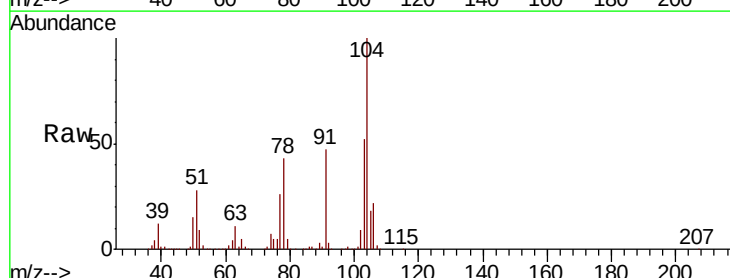
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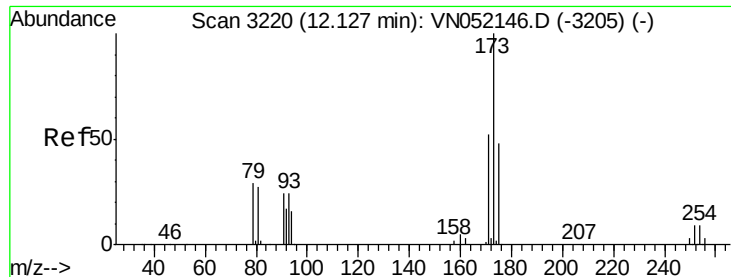
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#70
Styrene
Concen: 52.677 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052146.D
Acq: 5 Nov 2018 14:02

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.2	39.4	59.0
103	56.4	45.1	67.7





#71

Bromoform

Concen: 54.610 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN052146.D

Acq: 5 Nov 2018 14:02

Instrument :

MSVOA_N

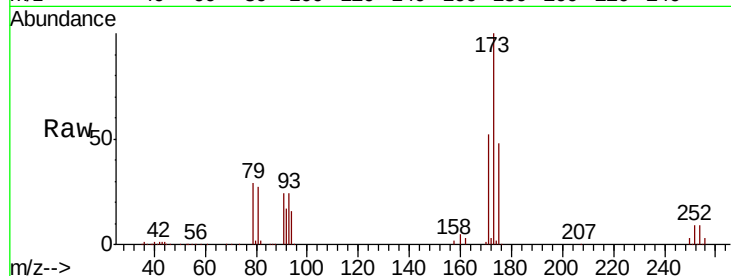
ClientSampled :

VSTDICCC050

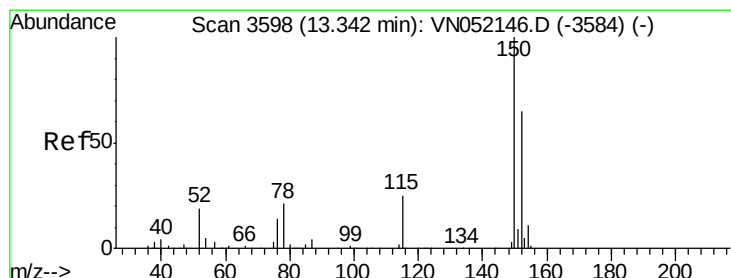
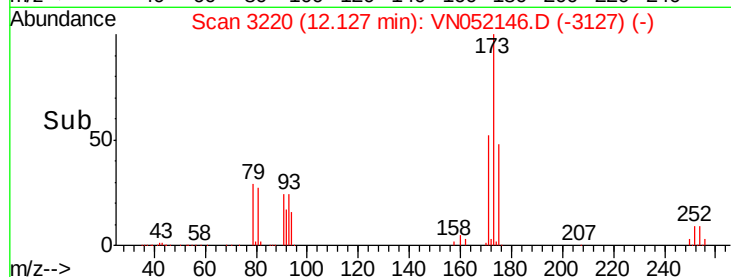
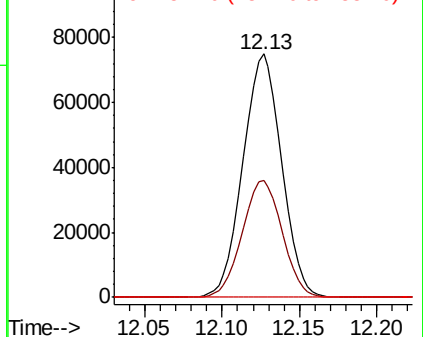
Tot Ion:	173	Resp:	130496
Ion Ratio	Lower	Upper	
173	100		
175	49.6	24.8	74.4
254	0.2	0.2	0.2#

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

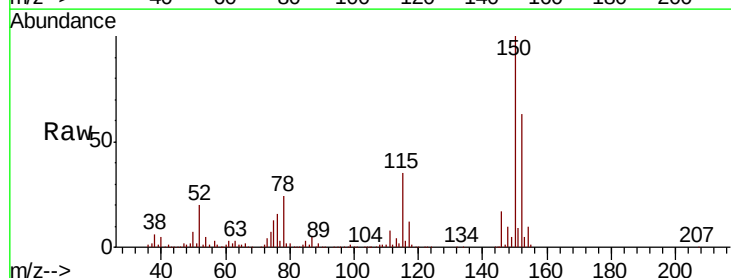
RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

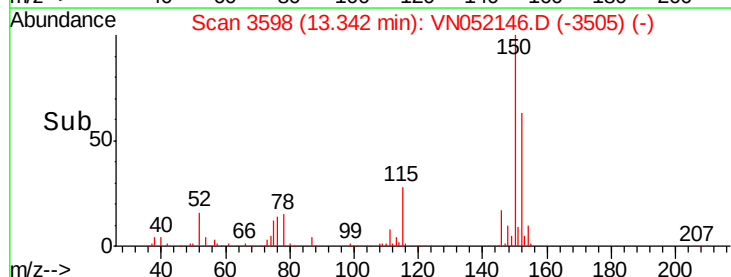
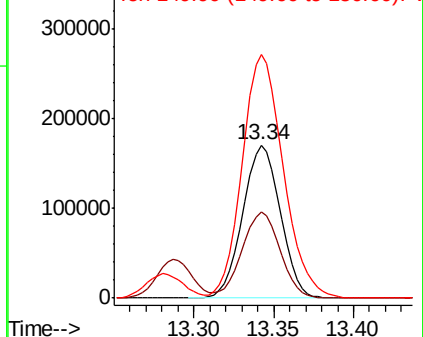
Lab File: VN052146.D

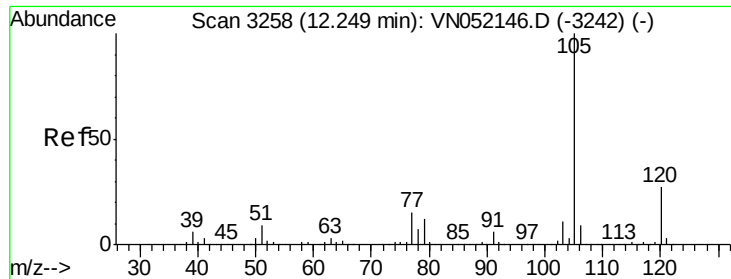
Acq: 5 Nov 2018 14:02

Tgt Ion:	152	Resp:	272662
Ion Ratio	Lower	Upper	
152	100		
115	57.0	28.5	85.5
150	174.3	0.0	348.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.114 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052146.D

Acq: 5 Nov 2018 14:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 105 Resp: 1053756

Ion Ratio Lower Upper

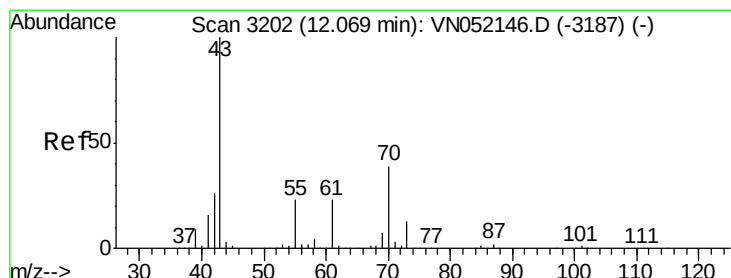
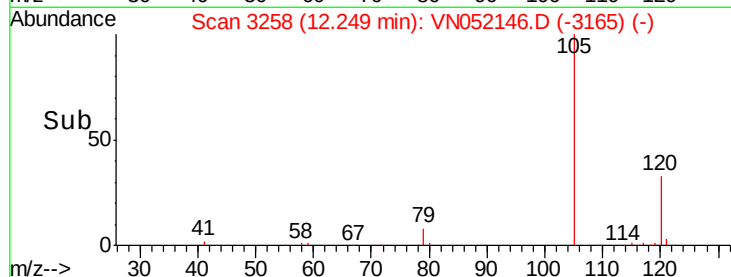
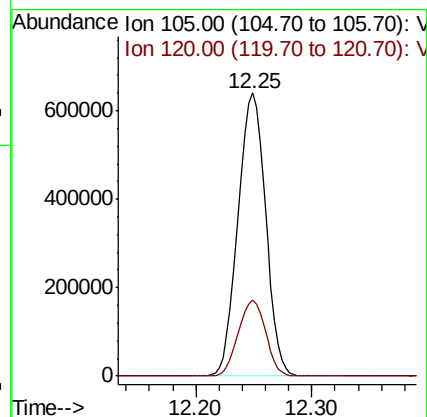
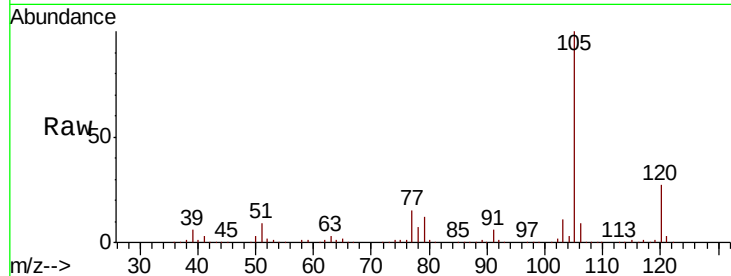
105 100

120 26.6 13.3 39.9

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#74

N-ethyl acetate

Concen: 47.906 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052146.D

Acq: 5 Nov 2018 14:02

Tgt Ion: 43 Resp: 312667

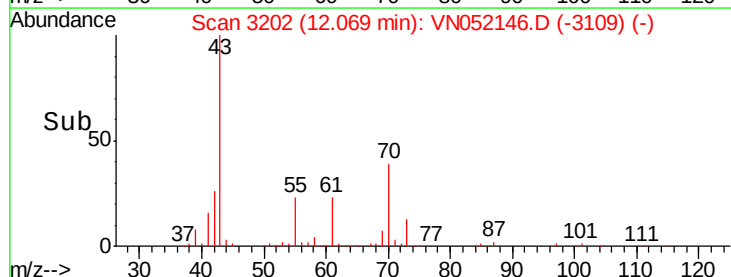
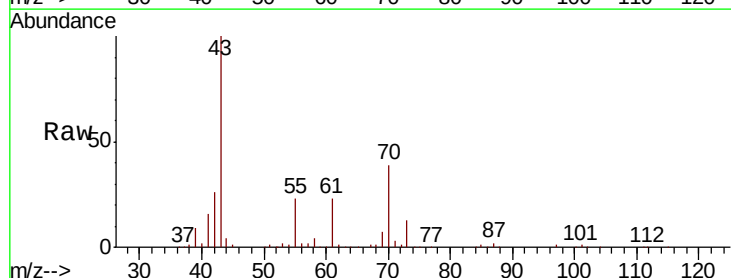
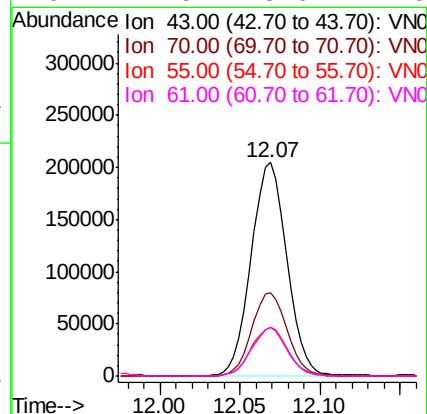
Ion Ratio Lower Upper

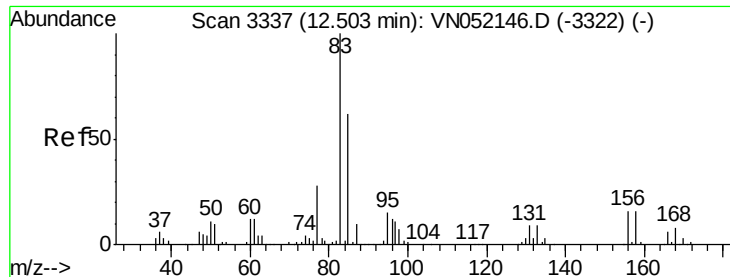
43 100

70 38.9 31.1 46.7

55 23.1 18.5 27.7

61 22.5 18.0 27.0





#75

1,1,2,2-Tetrachloroethane

Concen: 50.358 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052146.D

Acq: 5 Nov 2018 14:02

Instrument :

MSVOA_N

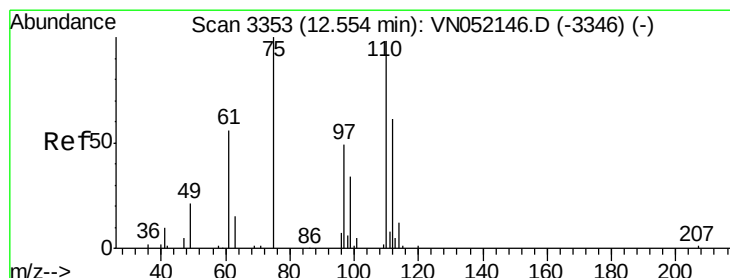
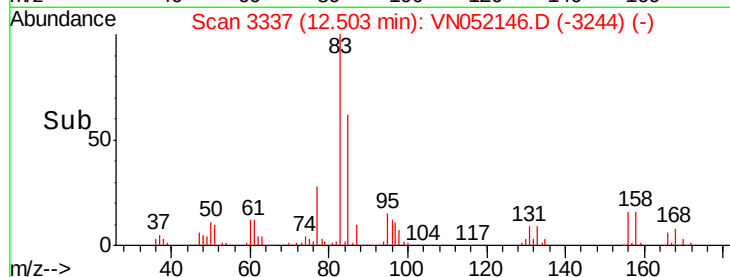
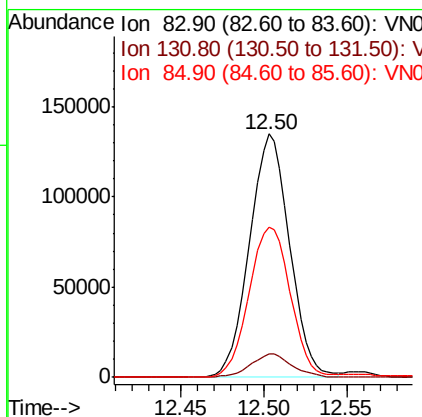
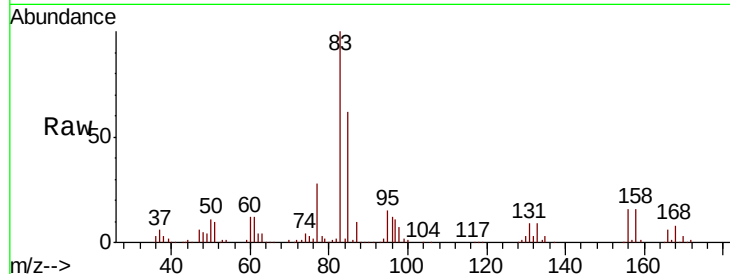
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	227245
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.0	14.9
85	63.5	31.8	95.3

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#76

1,2,3-Trichloropropane

Concen: 58.946 ug/l m

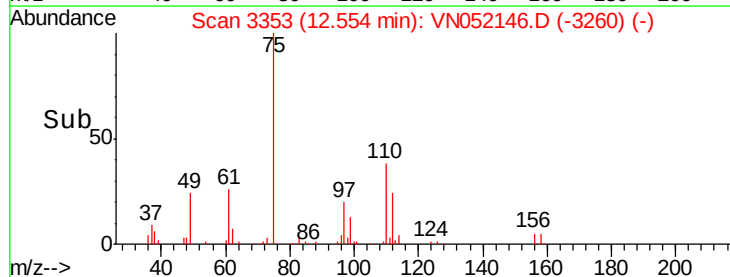
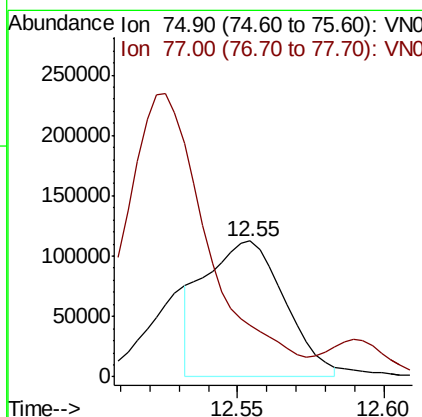
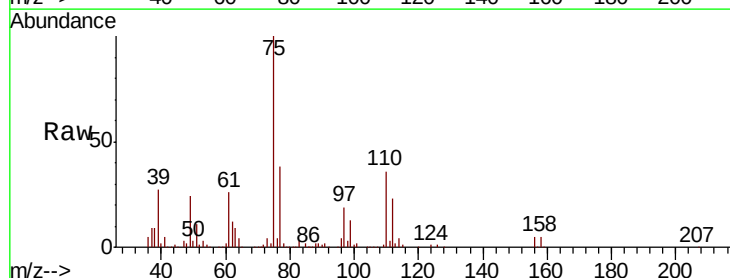
RT: 12.55 min Scan# 3353

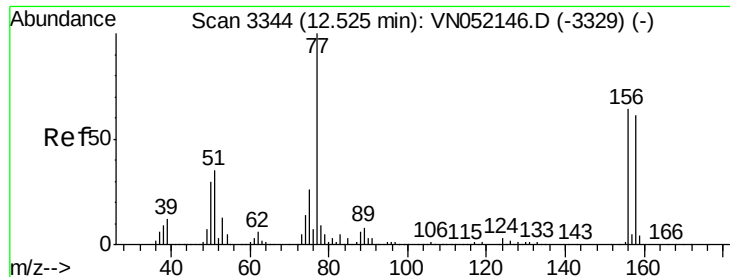
Delta R.T. 0.00 min

Lab File: VN052146.D

Acq: 5 Nov 2018 14:02

Tgt Ion:	75	Resp:	214551
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.586 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052146.D

Acq: 5 Nov 2018 14:02

Instrument :

MSVOA_N

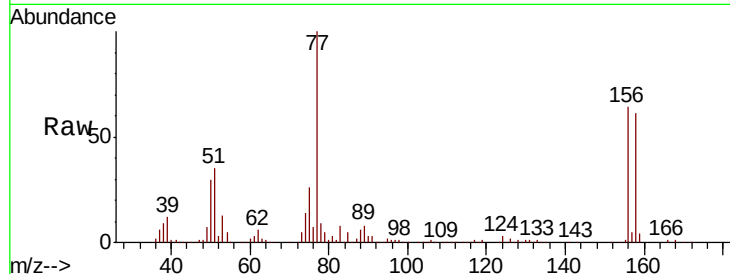
ClientSampleId :

VSTDICCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	183.3	91.6	274.9
158	96.2	48.1	144.3

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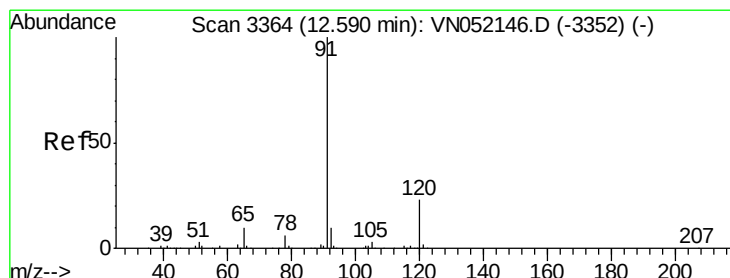
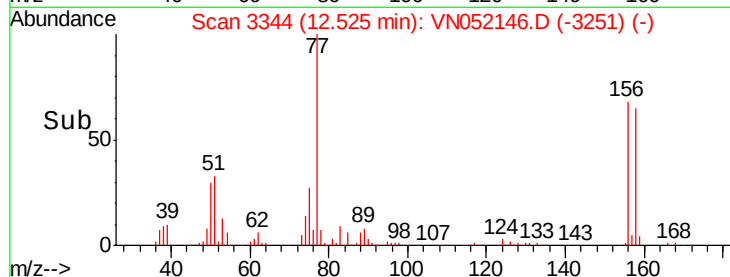
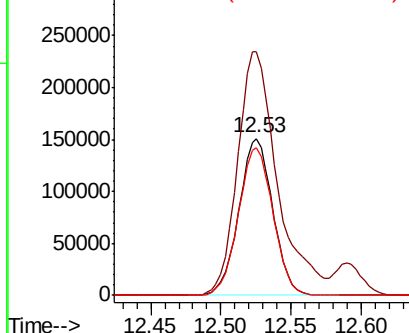


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.861 ug/l

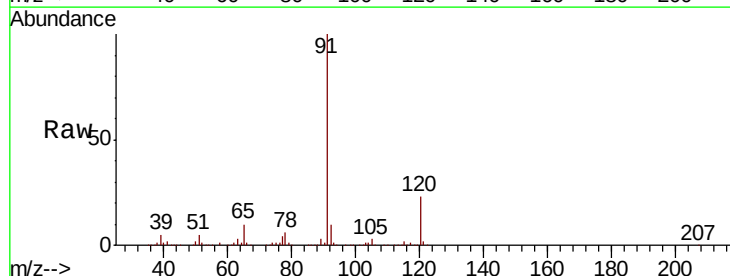
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN052146.D

Acq: 5 Nov 2018 14:02

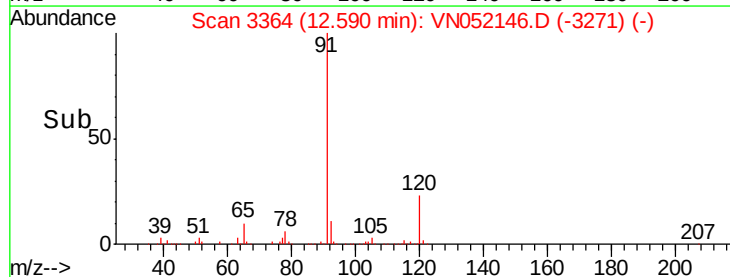
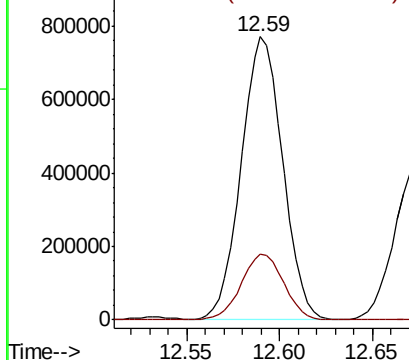
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.8	11.9	35.7

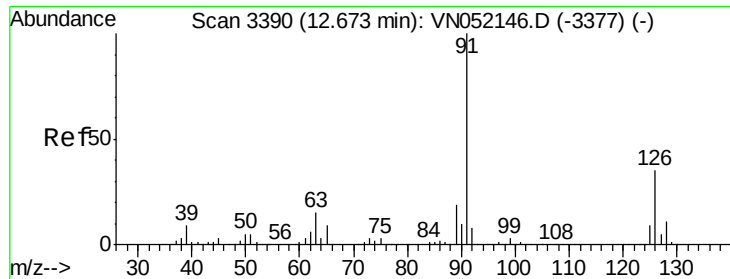


Abundance

Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





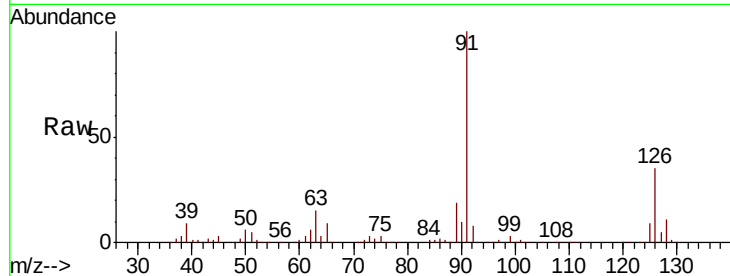
#79
 2-Chlorotoluene
 Concen: 49.383 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN052146.D
 Acq: 5 Nov 2018 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

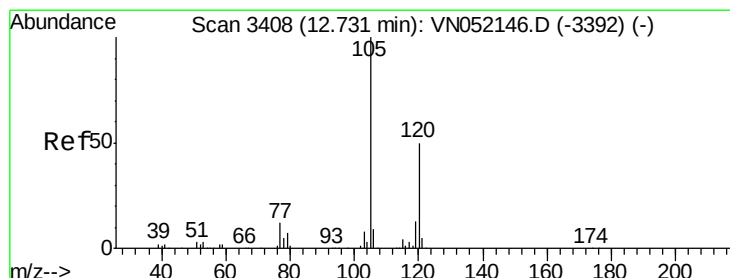
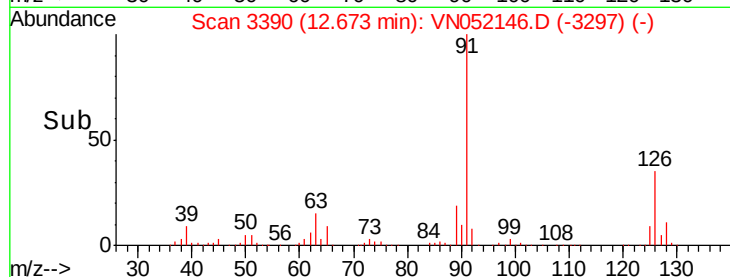
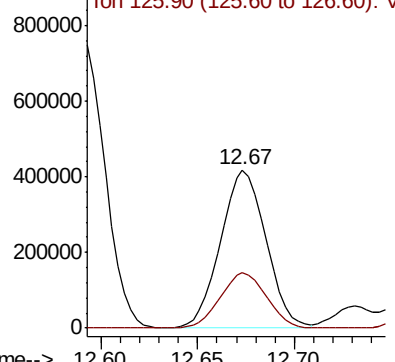
Tot Ion: 91 Resp: 682287
 Ion Ratio Lower Upper
 91 100
 126 36.0 18.0 54.0

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 11/6/2018 9:59:54 AM

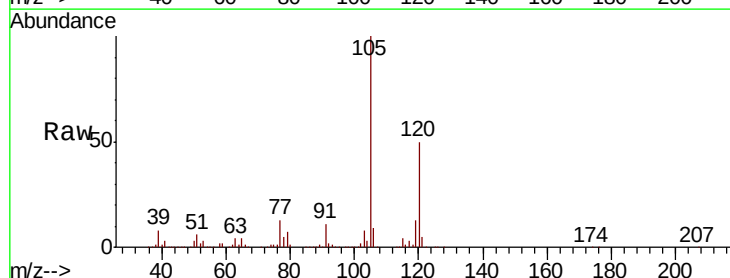


Abundance Ion 91.00 (90.70 to 91.70): VN052146.D (-3377) (-)
 Ion 125.90 (125.60 to 126.60): VN052146.D (-3377) (-)

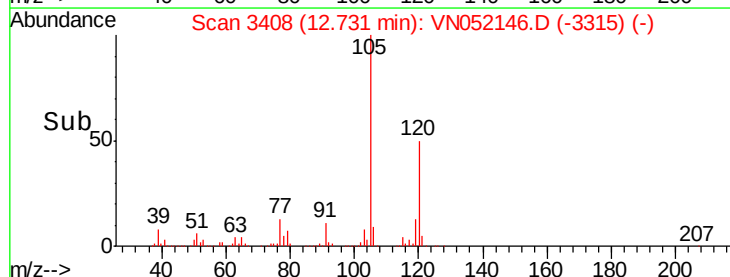
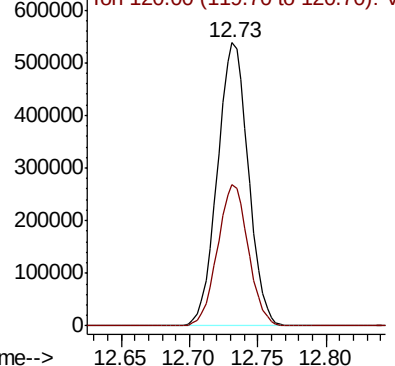


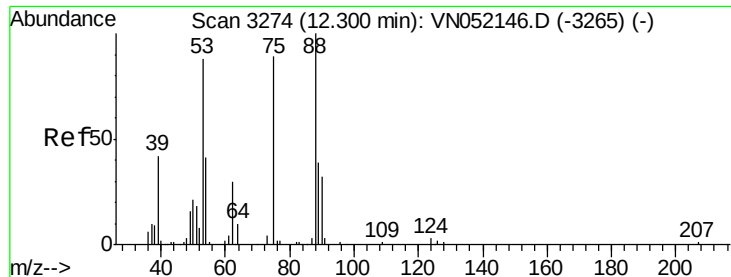
#80
 1,3,5-Trimethylbenzene
 Concen: 50.699 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN052146.D
 Acq: 5 Nov 2018 14:02

Tgt Ion: 105 Resp: 846043
 Ion Ratio Lower Upper
 105 100
 120 49.7 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN052146.D (-3392) (-)
 Ion 120.00 (119.70 to 120.70): VN052146.D (-3392) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 52.681 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052146.D

Acq: 5 Nov 2018 14:02

Instrument :

MSVOA_N

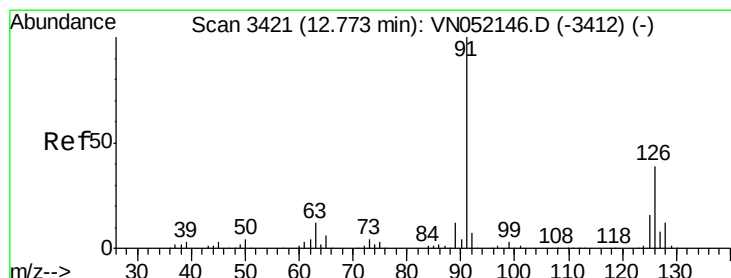
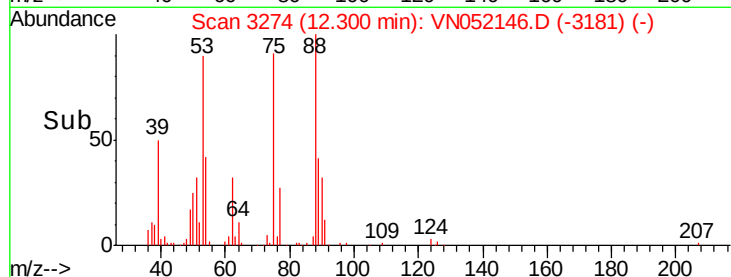
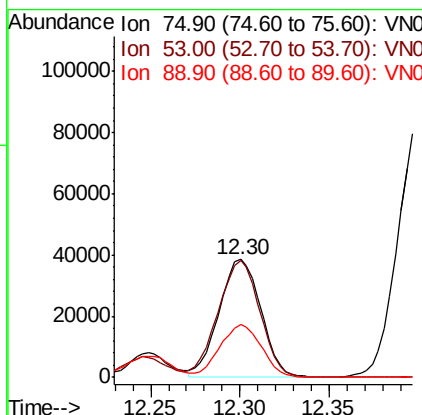
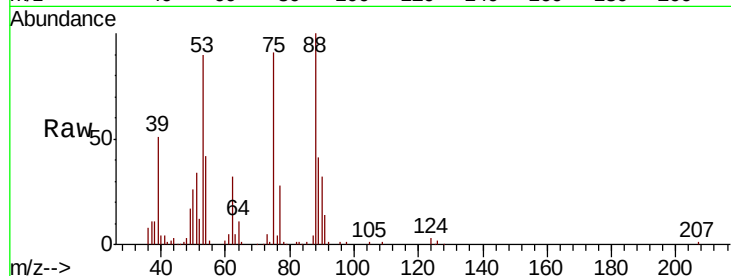
ClientSampled :

VSTDICCC050

Tot Ion:	75	Resp:	63132
Ion	Ratio	Lower	Upper
75	100		
53	99.2	79.4	119.0
89	44.8	35.8	53.8

Manual Integrations
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11/6/2018 9:59:54 AM



#82

4-Chlorotoluene

Concen: 50.308 ug/l

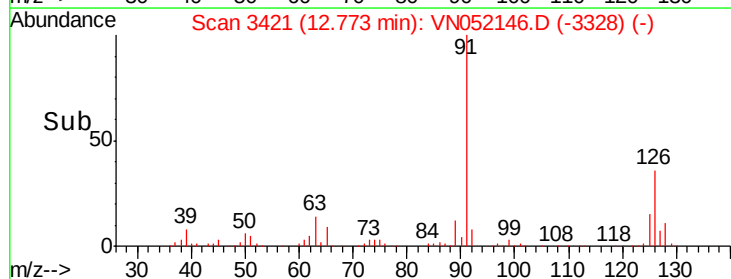
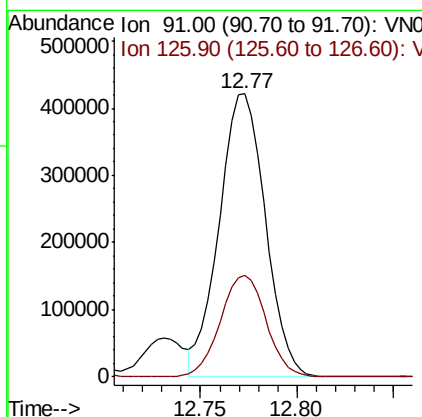
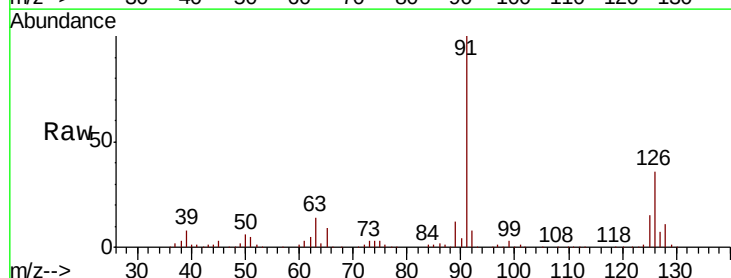
RT: 12.77 min Scan# 3421

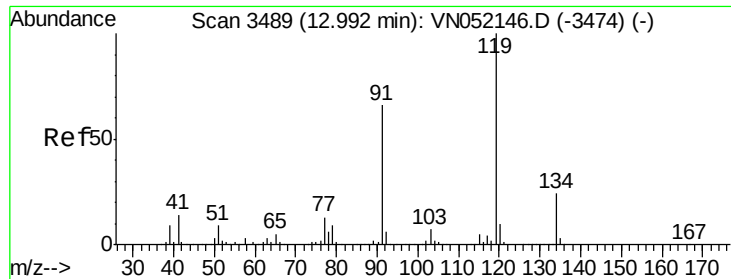
Delta R.T. 0.00 min

Lab File: VN052146.D

Acq: 5 Nov 2018 14:02

Tgt Ion:	91	Resp:	698610
Ion	Ratio	Lower	Upper
91	100		
126	35.7	17.8	53.5





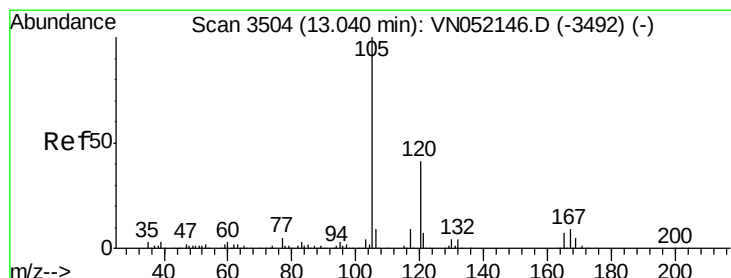
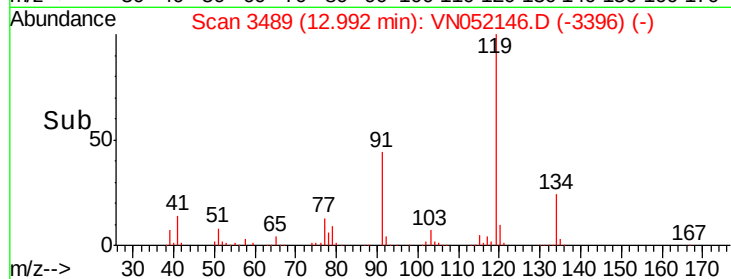
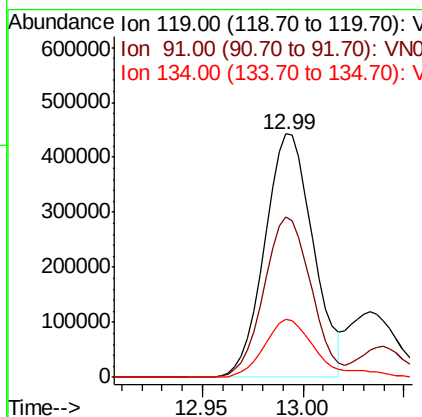
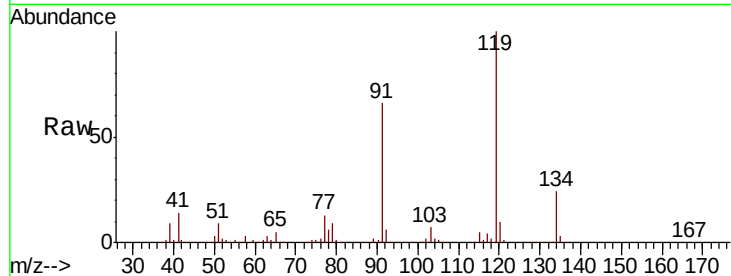
#83
 tert-Butylbenzene
 Concen: 50.086 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN052146.D
 Acq: 5 Nov 2018 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.5	32.3	96.8
134	25.9	13.0	38.9

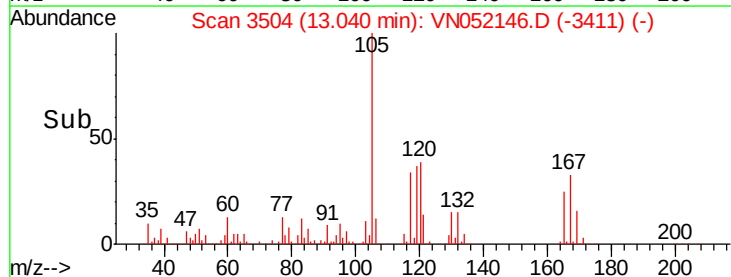
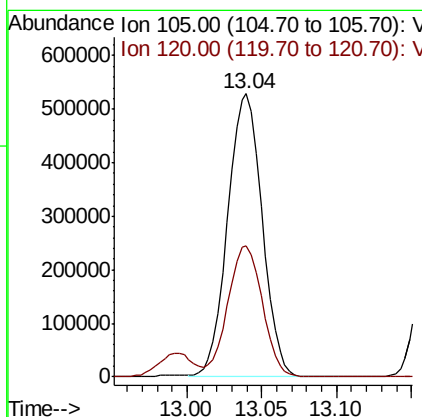
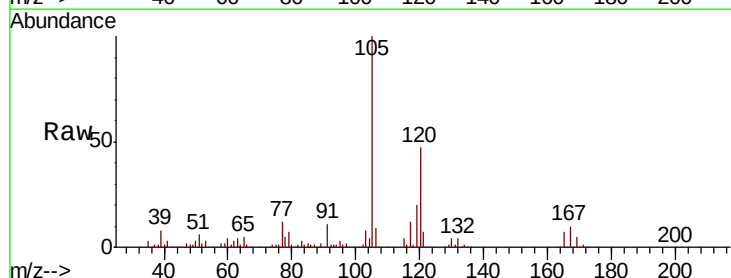
Manual Integrations
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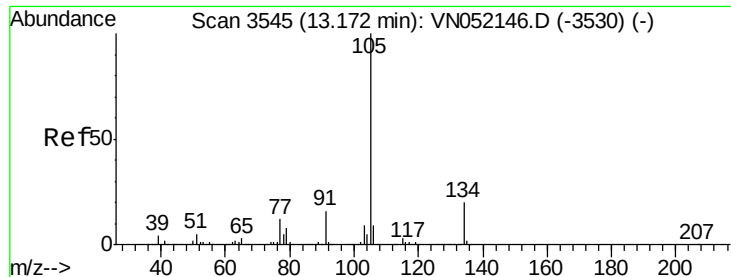
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 11/6/2018 9:59:54 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 51.194 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN052146.D
 Acq: 5 Nov 2018 14:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.2	69.5





#85

sec-Butylbenzene

Concen: 50.204 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN052146.D

Acq: 5 Nov 2018 14:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1000286

Ion Ratio Lower Upper

105 100

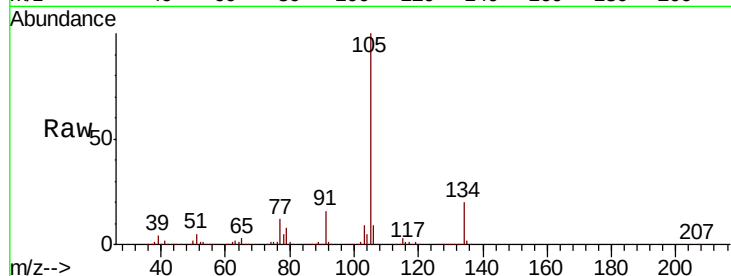
134 20.3 10.2 30.4

Manual Integrations

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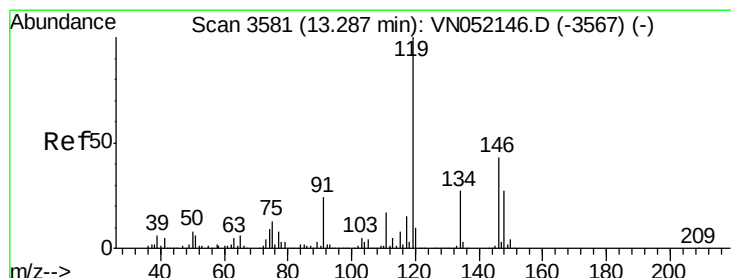
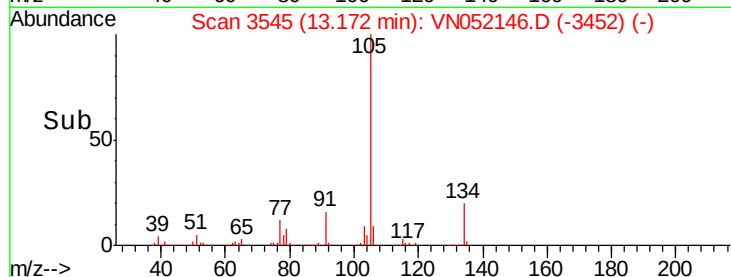
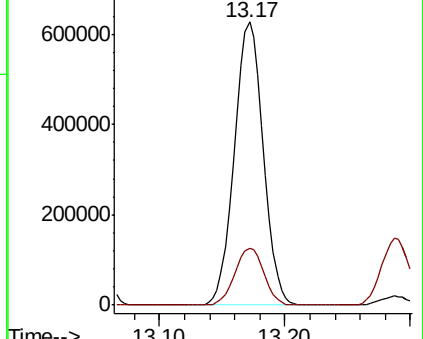
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.723 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN052146.D

Acq: 5 Nov 2018 14:02

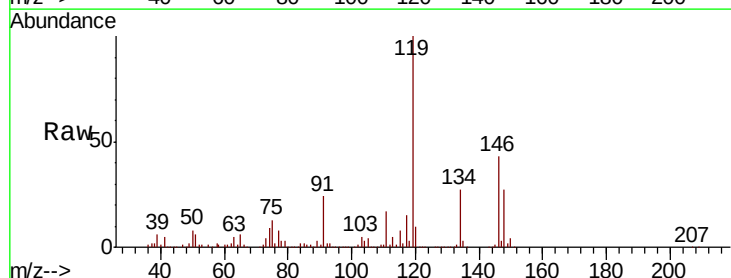
Tgt Ion:119 Resp: 867415

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.5

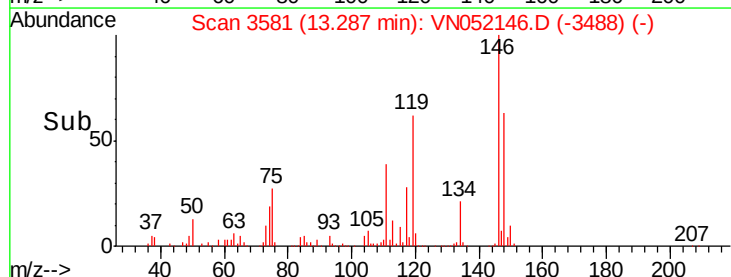
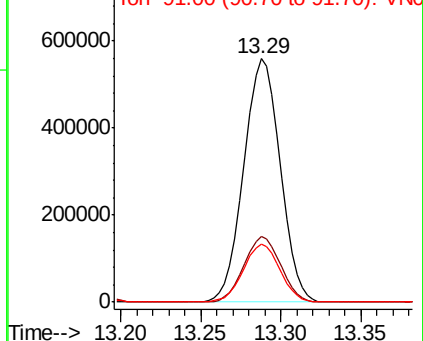
91 23.8 11.9 35.7

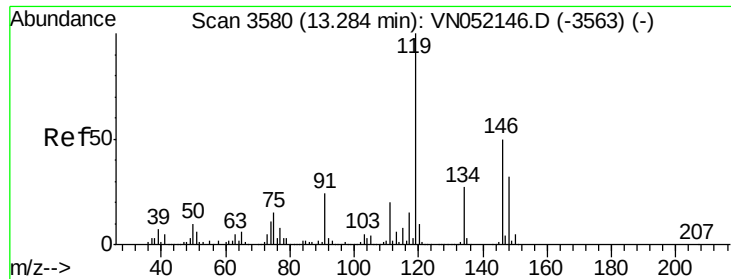


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





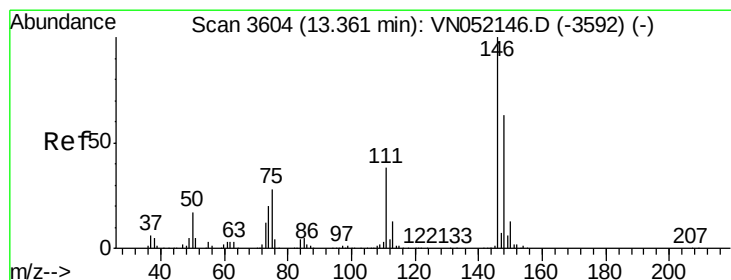
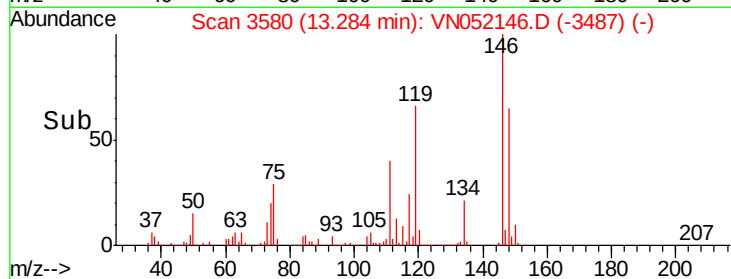
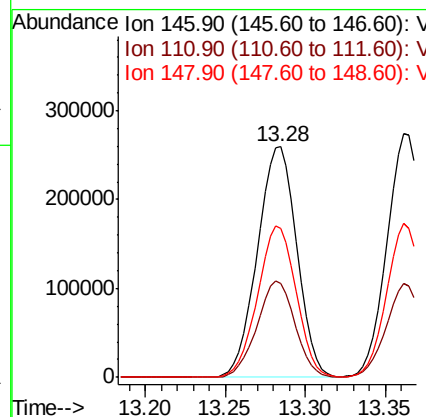
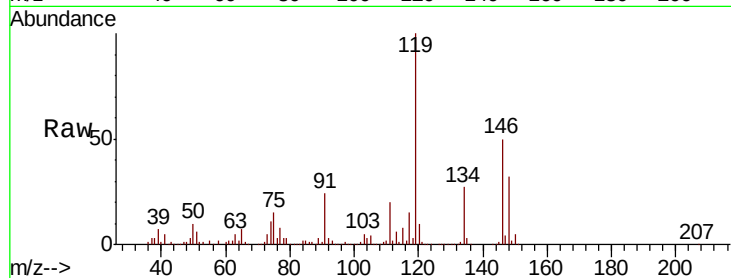
#87
 1,3-Dichlorobenzene
 Concen: 50.713 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052146.D
 Acq: 5 Nov 2018 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.2	60.6
148	64.2	32.1	96.3

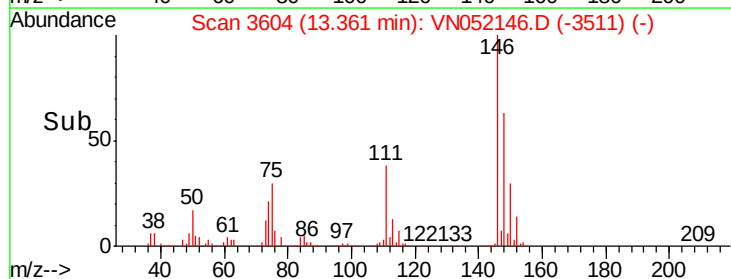
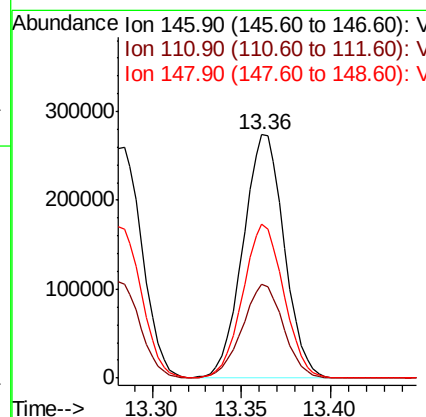
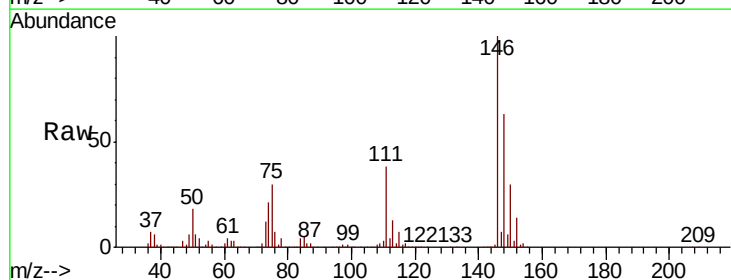
Manual Integrations
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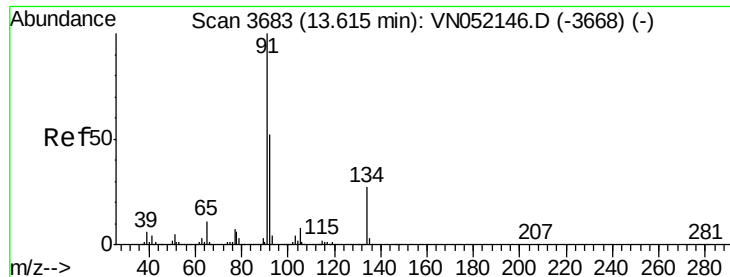
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 11/6/2018 9:59:54 AM



#88
 1,4-Dichlorobenzene
 Concen: 50.695 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN052146.D
 Acq: 5 Nov 2018 14:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.4	58.1
148	63.0	31.5	94.5





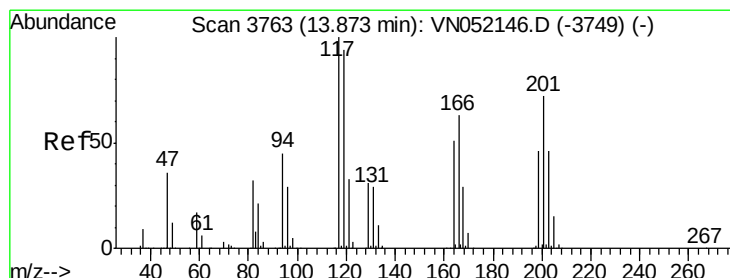
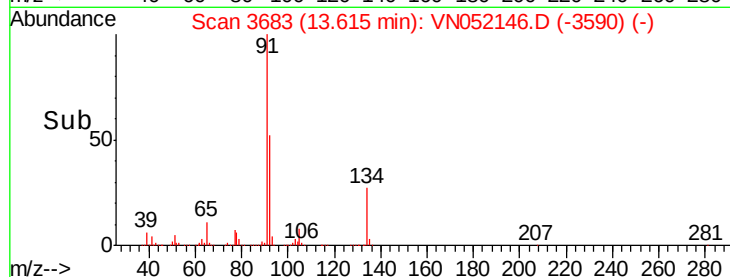
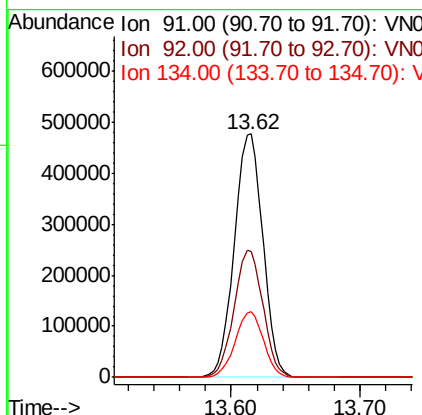
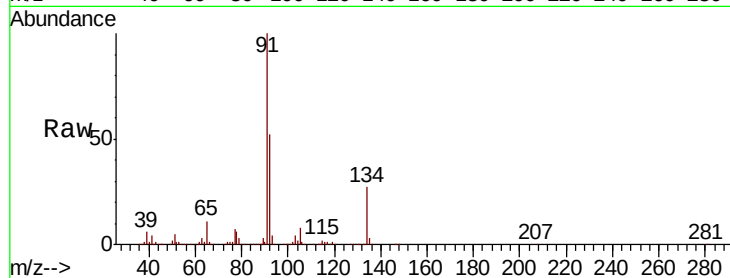
#89
n-Butylbenzene
Concen: 50.593 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052146.D
Acq: 5 Nov 2018 14:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.3	78.8
134	26.8	13.4	40.2

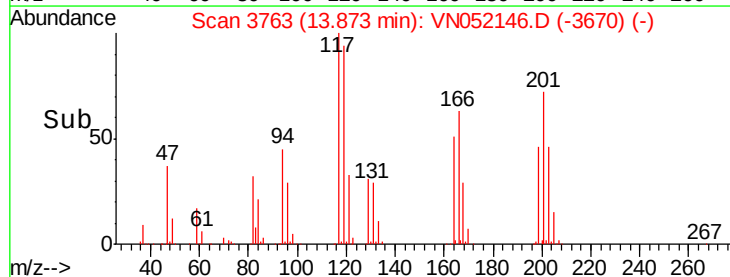
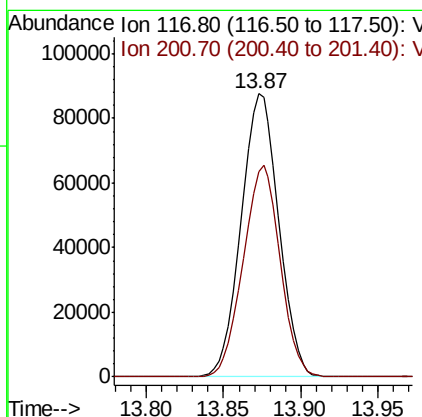
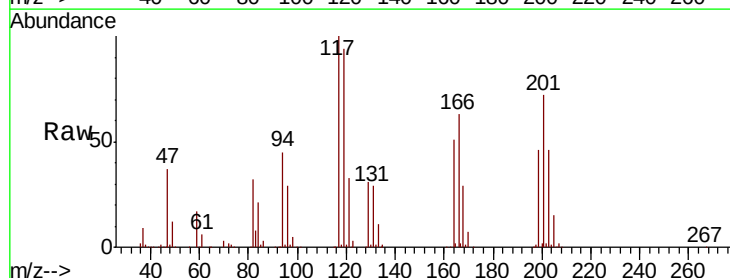
Manual Integrations
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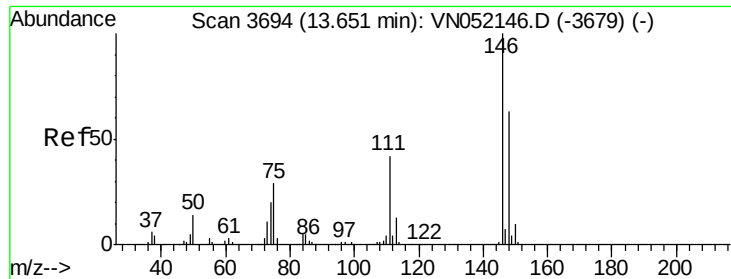
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#90
Hexachloroethane
Concen: 52.388 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN052146.D
Acq: 5 Nov 2018 14:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.5	36.8	110.3





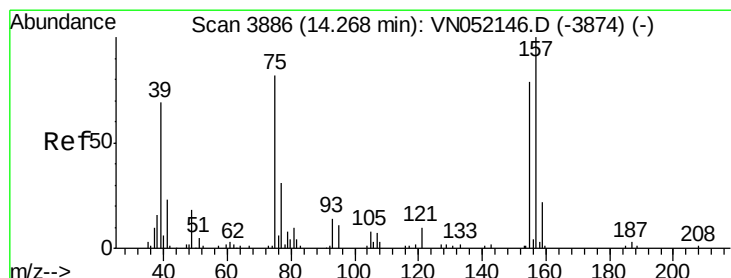
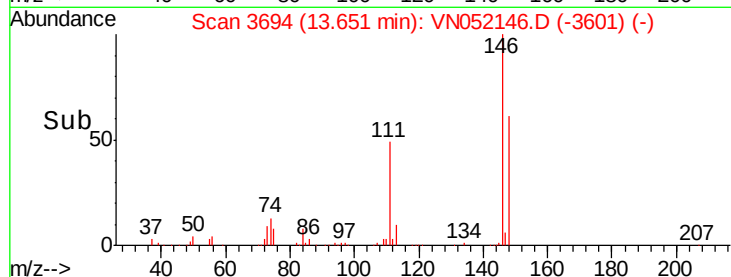
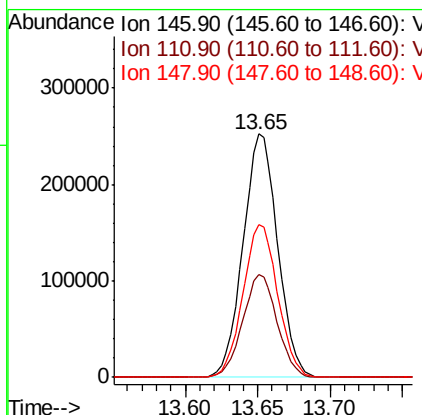
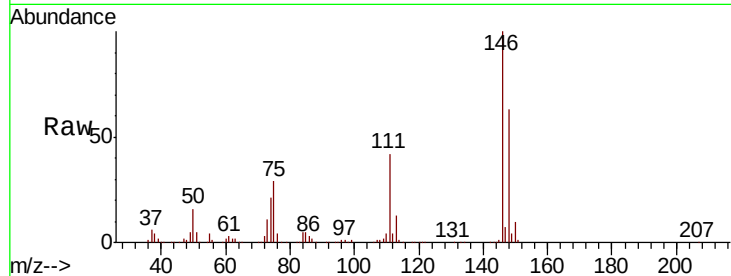
#91
 1,2-Dichlorobenzene
 Concen: 51.359 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN052146.D
 Acq: 5 Nov 2018 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.1	63.1
148	62.9	31.4	94.3

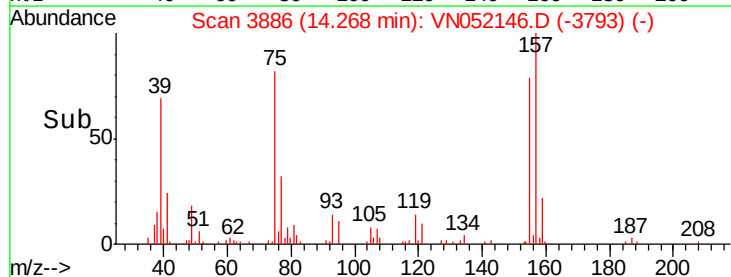
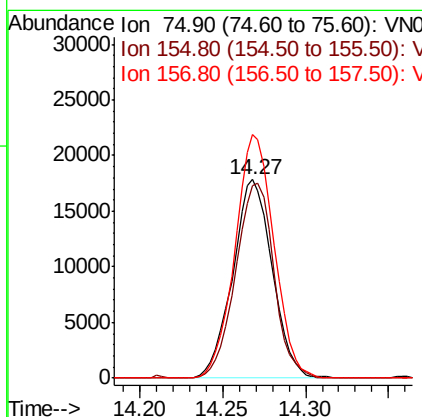
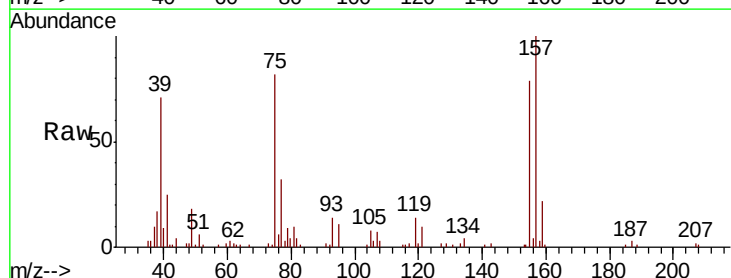
Manual Integrations
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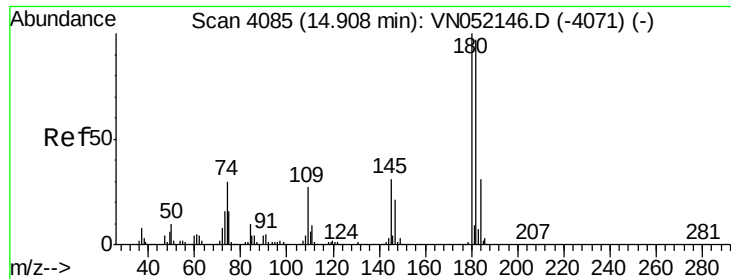
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.679 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN052146.D
 Acq: 5 Nov 2018 14:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.8	47.4	142.2
157	120.5	60.3	180.8





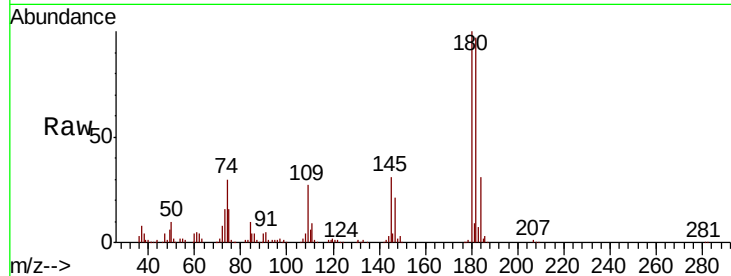
#93
 1,2,4-Trichlorobenzene
 Concen: 47.915 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052146.D
 Acq: 5 Nov 2018 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.3	48.1	144.4	
145	30.6	15.3	45.9	

Manual Integrations
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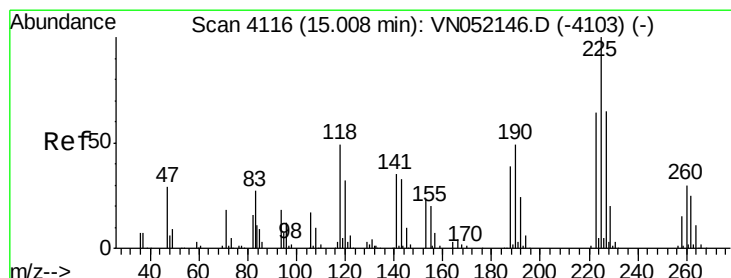
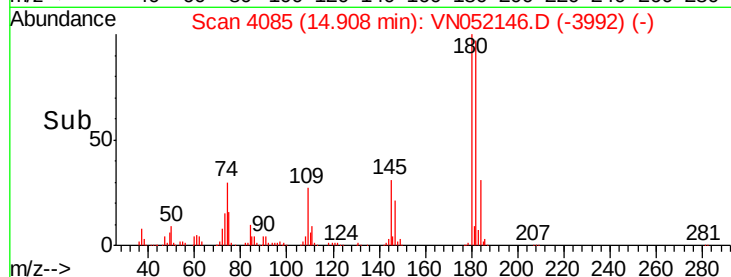
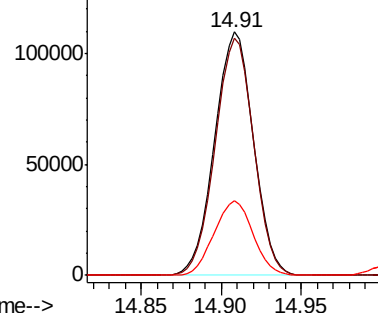


Abundance

Ion 179.80 (179.50 to 180.50): V

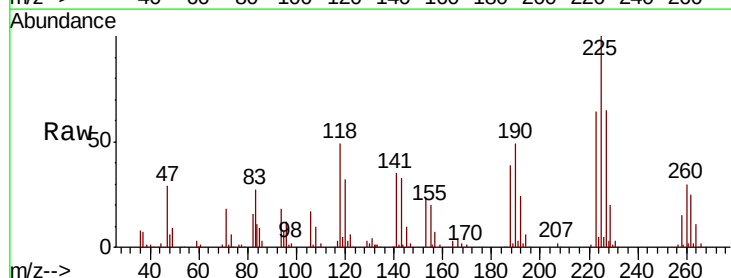
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 43.117 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN052146.D
 Acq: 5 Nov 2018 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.5	32.3	96.8	
227	63.2	31.6	94.8	

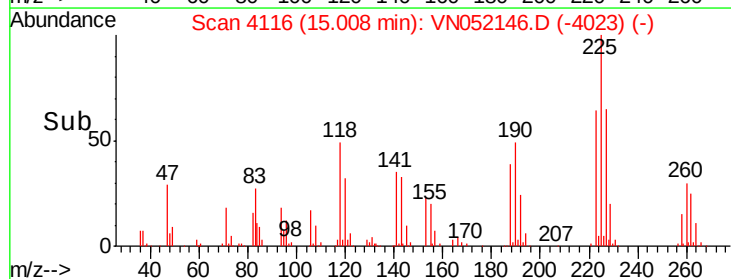
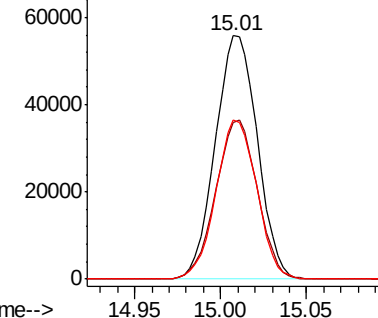


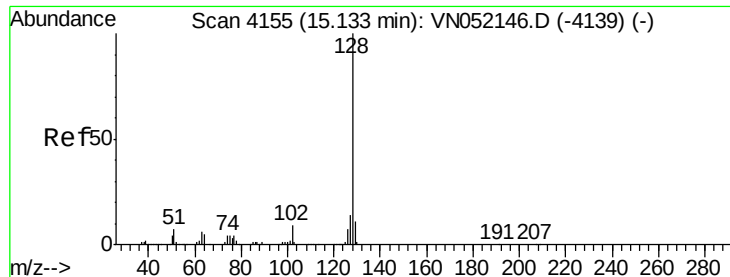
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 49.744 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052146.D

Acq: 5 Nov 2018 14:02

Instrument :

MSVOA_N

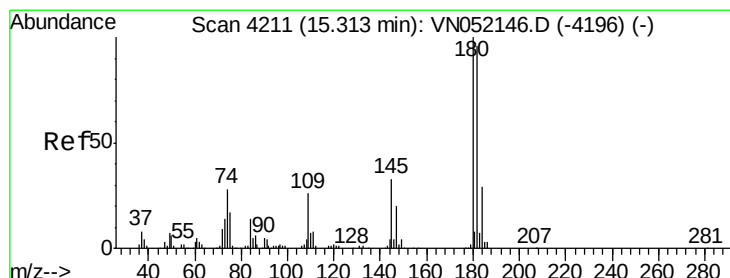
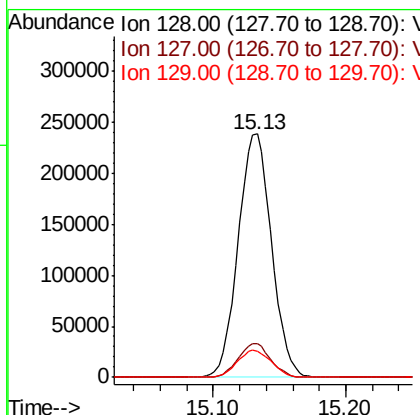
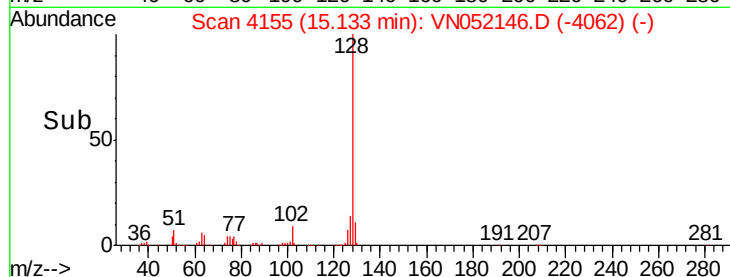
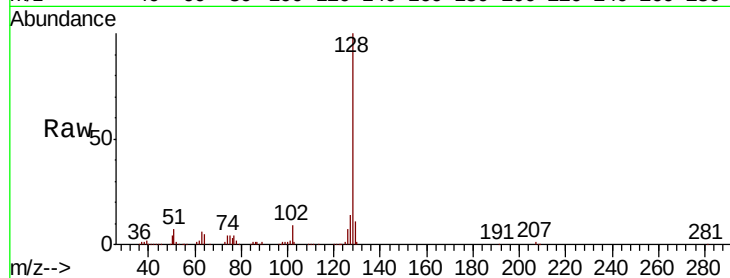
ClientSampleId :

VSTDICCC050

Tot Ion:	128	Resp:	415338
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.8	16.2
129	11.4	9.1	13.7

Manual Integrations
APPROVED

MMDadoda
11/6/2018 9:59:54 AM



#96

1,2,3-Trichlorobenzene

Concen: 46.743 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN052146.D

Acq: 5 Nov 2018 14:02

Tgt Ion:	180	Resp:	156954
Ion Ratio	Lower	Upper	
180	100		
182	93.1	46.6	139.7
145	33.3	16.7	50.0

